Permit

Environmental Protection Act 1994

Environmental authority EPPR00887713

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

Environmental authority number: EPPR00887713

Environmental authority takes effect on the date granted.

The anniversary day of this environmental authority remains **1 July**. The payment of the annual fee will be due each year on this day.

Environmental authority holder(s)

Name(s)	Registered address
Cairns Regional Council	119-145 Spence Street Cairns Qld 4870

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (b) general waste, (c) category 2 regulated waste ERA 63(1e) Sewage Treatment >10,000 but <50,000EP	**Marlin Coast Wastewater Treatment Plant** Dunne Road, Smithfield Qld 4878 Lot 3 on Plan RP739088 (P442), Lot 217 on Plan CP867126, Lot 1 on Plan RP867129 and Lot 61 on Plan RP867132
ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (c) category 2 regulated waste ERA 63(1f) Sewage Treatment >50,000 but <100,000EP ERA 60(1a) Waste Disposal Facility (any combination of regulated waste, general waste and limited regulated waste and <5t untreated clinical wastes if in a scheduled are): <50,000t per year	**Northern Wastewater Treatment Plant** Greenbank Road, Aeroglen Qld 4870 Lot 1 on Plan RP854509, Lot 3 on Plan RP854509, Lot 382 on Plan NR3209 and Lot 2 on Plan RP854509
ERA 63(1f) Sewage Treatment >50,000 but <100,000EP ERA 62(1) Resource recovery and transfer facility -	**Southern Wastewater Treatment Plant** Links Drive, Woree Qld 4868

Environmentally relevant activity/activities	Location(s)
receiving and sorting, dismantling, baling or temporarily storing – (c) category 2 regulated waste ERA 60(1b) Waste Disposal Facility (any combination of regulated waste, general waste and limited regulated waste and <5t untreated clinical wastes if in a scheduled are): >50,000t to 100,000t per year	Lot 31 on Plan C19830 and Lot 603 on Plan NR835483
ERA 63(1e) Sewage Treatment >10,000 but <50,000EP ERA 53(a) Organic material processing - processing more than 200t of organic material in a year by composting the organic material ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (c) category 2 regulated waste	**Edmonton Wastewater Treatment Plant** Swallow Road, Edmonton Qld 4869 Lot 99 on Plan SP198647
ERA 63(1d) Sewage Treatment >4,000 but <10,000EP ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (c) category 2 regulated waste	**Gordonvale Wastewater Treatment Plant** Rushworth Road, Gordonvale Qld 4865 Lot 1 on Plan RP717943, Lot 6 on Plan RP718729 (P73) and Lot 2 on Plan RP851531
ERA 63(1c) Sewage Treatment >1,500 but <4,000EP	**Babinda Wastewater Treatment Plant** Clyde Road, Babinda Qld 4865 Lot 1 on Plan RP702955
ERA 64(3) Water Treatment >10ML Raw water per day	**Freshwater Water Treatment Plant** Ferntree Close, Brinsmead Qld 4870 Lot 2 on Plan RP732203 and Lot 2 on Plan SP263790
ERA 64(3) Water Treatment >10ML Raw water per day	**Behana Gorge Water Treatment Plant** Lot 64 on Plan 887337
ERA 54(1) - Mechanical waste reprocessing - receiving and mechanically reprocessing, in a year, more than 5,000t of inert, non-putrescible waste or green waste only ERA 60(4) – Maintaining a decommissioned landfill.	**Portsmith Landfill** Recovery Way, Portsmith Qld 4870 Lot 17 on Plan SP270880

Environmentally relevant activity/activities	Location(s)
ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (b) general waste, (c) category 2 regulated waste	
ERA 54(1) - Mechanical waste reprocessing - receiving and mechanically reprocessing, in a year, more than 5,000t of inert, non-putrescible waste or green waste only ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (b) general waste, (c) category 2 regulated waste	**Smithfield Waste Transfer Station** Dunne Road, Smithfield Qld 4878 Lot 1 on Plan RP867129
ERA 54(1) - Mechanical waste reprocessing - receiving and mechanically reprocessing, in a year, more than 5,000t of inert, non-putrescible waste or green waste only ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (b) general waste, (c) category 2 regulated waste, (d) category 1 regulated waste	**Portsmith Waste Transfer Station** 37-51 Lyons Street, Portsmith Qld 4870 Lot 16 on Plan SP225104
ERA 63(2) Operating a sewage pumping Station (design capacity >40KL an hour), if not an essential part of the operation of a sewage treatment works	**Sewage Pumping Stations** >40KL per hour - standard and varied conditions PS B, Terminus Street Parramatta Park Qld 4870 – Adjacent to Lot 2 on RP701334 PS B1,179 Howard Kennedy Drive Babinda Qld 4861 - Lot 1 on RP729177 PS C, 84 Minnie Street Parramatta Park Qld 4870 - Lot 3 on RP701362 PS CB2, 22 Hope Street Clifton Beach Qld 4879 - Lot 214 on CP893544 PS CB4, Upolo Esplanade Clifton Beach Qld 4879 - Adjacent to Lot 26 on SP106007 PS CB5 Gibson Close Clifton Beach Qld 4879 - Adjacent to Lot 41 on RP744022 PS D, Road Reserve Gatton Street Parramatta Park Qld 4870 - Adjacent to Lot 32 on RP701432

Environmentally relevant activity/activities	Location(s)
	PS DC1, Lot 906 Yamba Close Kewarra Beach Qld 4879 - Lot 906 on SP256612 PS E Road Reserve Charles Street Parramatta Park Qld 4870 - Adjacent to Lot 63 on RP701435 PS F, Martyn Street Manunda Qld 4870 - Adjacent to Lot 1 on RP711563 PS FW2, Road Reserve Kamerunga Road Freshwater Qld 4870 - Adjacent to Lot 998 on SP190270 SPS G, 17 Hartley Street Cairns Qld 4870 - Lot 1 on SP187403 PS L, 416 Sheridan Street Cairns North Qld 4870 - Lot 528 on NR5634 PS R1, 2 Lynch Street Bungalow Qld 4870 - Lot 28 on RP711150 PS R16, Road Reserve Liberty Street Portsmith Qld 4870 - Adjacent to Lot 2 on SP122862 PS R17, Road Reserve Kenny Street Portsmith Qld 4870 - Adjacent to Lot 41 on SP186116 PS R3, Road Reserve Quigley Street Bungalow Qld 4870 - Adjacent to Lot 2 on RP710272 PS RR2, Road Reserve Reed Road Trinity Park Qld 4879 - Adjacent to Lot 10 on RP726823 PS S1, 9 Marshall Street Bungalow Qld 4870 - Lot 3 Plan RP729124 PS SH2, Road Reserve Captain Cook Highway Smithfield Qld 4878 - Adjacent to Lot 47 on RP729470 PS H Esplanade and Shield Street. Cairns City Qld 4870 - Lot 2 on Plan SP160326 and Lot 113 on Plan SP132560 PS GO4 Klarwein Close, Gordonvale Qld 4865 – Lot 77 Plan NR7679 PS GO2 Campbell Street, Gordonvale Qld 4865 – Lot 76 Plan NR6508 PS GO5 Kern Street, Gordonvale Qld 4865 – Adjacent to Lot 242 SP214851

Environmentally relevant activity/activities	Location(s)
	PS GO1 Cleland Street, Gordonvale Qld 4865 – Lot 177 Plan NR5728 PS B1 Peevers Road, Babinda Qld 4861 – Lot 10 Plan SP268629 PS B2 Bruce Highway - Rotary Park, Babinda Qld 4861 – Lot 236 Plan NR6626 PS ED4 1 Compton Court Bentley Park Qld 4869 - Lot 996 Plan RP882234 PS T1 1 English Street Manunda Qld 4870 - Lot 1 Plan RP889325 PS YK2 106 Deauville Close Yorkeys Knob Qld 4878 - Lot 106 Plan SP137305 PS R6 108 Aumuller Street Portsmith Qld 4870 - Lot 16 Plan RP719342 PS HB5 108 Baronia Crescent Holloways Beach Qld 4878 - Lot 22 Plan RP742750 PS A41 11 Aeroglen Drive Aeroglen Qld 4870 - Lot 12 Plan NR4175 PS RL2 113 Xavier Herbert Drive Redlynch Qld 4870 - Lot 902 Plan SP218276 PS R30 12 Hollingsworth Street Portsmith Qld 4870 - Lot 13 Plan SP154020 PS CB3 13 Clifton Beach Road Clifton Beach Qld 4879 - Lot 2 Plan RP735343 PS J1 13 Water Street Cairns Qld 4870 - Lot 41 Plan SP121896 PS J 147 Grafton Street Cairns Qld 4870 - Lot 2 Plan C198264 PS R19 149 Buchan Street Bungalow Qld 4870 - Lot 2 Plan RP715761 PS SH5 16 Mount Milman Drive Smithfield Qld 4878 - Lot 47 Plan RP911569 PS R9 16 Rose Street Westcourt Qld 4870 - Lot 136 Plan RP712392

Environmentally relevant activity/activities	Location(s)
	. PS S2 17 Coxall Street Mooroobool Qld 4870 - Lot 22 Plan RP701382 PS ST2 17 Industrial Avenue Stratford Qld 4870 - Lot 17 Plan RP749474 PS RR9 17 Ragamuffin Quay Trinity Park Qld 4879 - Lot 908 Plan SP165903 PS B5 18 Pollard Road Babinda Qld 4861 - Lot 18 Plan RP887338 PS YK3 19 Caddy Street Yorkeys Knob Qld 4878 - Lot 105 Plan RP727750 PS WR1 2 Dallas Street White Rock Qld 4868 - Lot 2 Plan RP748678 PS W6 2 Maconachi Street Woree Qld 4868 - Lot 1 Plan RP731149 PS KA1 20 Romney Street Kamerunga Qld 4870 - Lot 211 Plan K3531 PS TB4 22 Trinity Beach Road Trinity Beach Qld 4879 - Lot 93 Plan SP178701 PS HB1 3 Alamanda Street Holloways Beach Qld 4878 - Lot 28 Plan RP710286 PS RR6 31 Marina QY Trinity Park Qld 4879 - Lot 901 Plan SP165903 PS K01 356 Sheridan Street Cairns North Qld 4870 - Lot 436 Plan SP222768 PS ST3 49 Greenbank Road Stratford Qld 4870 - Lot 437 Plan NR5014 PS YK4 5 Paul Close Yorkeys Knob Qld 4878 - Lot 248 Plan NR6393 PS TB1-01 51 Trinity Beach Road Trinity Beach Qld 4879 - Lot 363 Plan RP729082

Environmentally relevant activity/activities	Location(s)
	PS RR8 53 Harbour Drive Trinity Park Qld 4879 - Lot 902 Plan SP165903 PS R8 53 Lyons Street Portsmith Qld 4870 - Lot 113 Plan SP132575 PS HB4 55 Bamboo Street Holloways Beach Qld 4878 - Lot 68 Plan RP735040 PS R21 57 Aumuller Street Portsmith Qld 4870 - Lot 15 Plan AP15816 PS RL1 6 Kamerunga Road Redlynch Qld 4870 - Lot 6 Plan RP747242 PS KB3 7 Albatross Street Kewarra Beach Qld 4879 - Lot 69 Plan RP737556 PS ES1 7 Johnston Street Aeroglen Qld 4870 - Lot 16 Plan C198182 PS WR5 70 Hollywood Street White Rock Qld 4868 - Lot 674 Plan NR7090 PS R12 73 Boland Street Westcourt Qld 4870 - Lot 5 Plan C198437 PS KB1 8 Gannet Street Kewarra Beach 4879 - Lot 211 Plan NR7169 and Lot 171 Plan RP733915 PS RR7 83 Harbour Drive Trinity Park Qld 4879 - Lot 904 Plan SP165903 SP RL5 901 Mary Parker Drive Redlynch Qld 4870 - Lot 901 Plan SP155114 PS ED1 902 Swallow Road Edmonton Qld 4869 - Lot 902 Plan RP910477 PS PC2 99 Williams Esplande Palm Cove Qld 4879 - Lot 500 Plan SP247831 PS EH3 Adjacent 1 Flagship Drive, Trinity Beach Qld 4879 - Lot 999 Plan SP214833

Environmentally relevant activity/activities	Location(s)
	PS R2 Adjacent 186 Scott Street Bungalow Qld 4870 - Lot 12 Plan SP210273 PS HB3A Adjacent 21 Oak Street Holloways Beach Qld 4878 - Lot 1 Plan RP734215 PS YK1AAdjacent 28 Fairweather Street Yorkeys Knob Qld 4878 - Lot 1 Plan BUP70598 PS F1 Adjacent to 10 Adelaide Street Manunda Qld 4870 - Lot 10 Plan NR8017 PS W5 Adjacent to 10 Ponzo Street Woree Qld 4868 - Lot 9 Plan SP184851 PS A Adjacent to 105 Bunda Street Cairns Qld - Lot 1 Plan RP731413 PS R7 Adjacent to 106 Hartley Street Bungalow Qld 4870 - Lot 1 Plan RP804229 PS HB1A Adjacent to 12 Zamia Street Holloways Beach Qld 4878 - Lot 39 Plan RP726827 PS YK3A Adjacent to 13 Golf Street Yorkeys Knob Qld 4878 - Lot 97 Plan RP727750 PS R17 Adjacent to 13 Kenny Street Portsmith Qld 4870 - Lot 345 Plan SP113643 PS S3 Adjacent to 15 Jackson Close Westcourt Qld 4870 - Lot 15 Plan RP725484 PS R20 Adjacent to 15 Redden Street Portsmith Qld 4870 - Lot 65 Plan NR6983 PS S4 Adjacent to 150 McCoombe Street Mooroobool Qld 4870 - Lot 2 Plan RP730391 PS PC1 Adjacent to 17 Veivers Road Palm Cove Qld 4879 - Lot 54 Plan RP725473 PS R14 Adjacent to 18 Mann Street Westcourt Qld 4870 - Lot 5 Plan SP182733

Environmentally relevant activity/activities	Location(s)
	PS YKC4 Adjacent to 19 Jessie Close Yorkeys Knob Qld 4878 - Lot 15 Plan RP726350 PS T10 Adjacent to 196 McCormack Street Manunda Qld 4870 - Lot 19 Plan RP867021 PS R5 Adjacent to 203 Hartley Street Portsmith Qld 4870 - Lot 1 Plan RP722499 PS R12 Adjacent to 22 Earl Street Westcourt Qld 4870 - Lot 21 Plan RP716884 PS R10 Adjacent to 257 Lyons Street Westcourt Qld 4870 - Lot 3 Plan SP262351 PS T15 Adjacent to 26 Hoare Street Manunda Qld 4870 - Lot 140 Plan NR4198 PS YK4A Adjacent to 3 Josephine Close Yorkeys Knob Qld 4878 - Lot 26 Plan RP730249 PS R27 Adjacent to 35 Redden Street Portsmith Qld 4870 - Lot 699 Plan NR8102 PS SV1 Adjacent to 38 Noorwood Cresent Smithfield Qld 4878 - Lot 87 Plan SP197999 PS ED7 Adjacent to 40 Thomson Road Edmonton Qld 4869 - Lot 1 Plan RP743804 PS YK4B Adjacent to 410 Varley Street Yorkeys Knob Qld 4878 - Lot 31 Plan RP808360 PS A41 Adjacent to 47 Palmerston Street Aeroglen Qld 4870 - Lot 2 Plan RP710620 PS YK1B Adjacent to 48 Rutherford Street Yorkeys Knob Qld 4878 - Lot 227 Plan RP706856 PS WW Adjacent to 51 Boden Street Edge Hill Qld 4870 - Lot 33 Plan RP726728 PS W6 Adjacent to 55 Maconachie Street Woree Qld 4868 - Lot 42 Plan C19830

Environmentally relevant activity/activities	Location(s)
	PS R19 Adjacent to 60 Buchan Street Portsmith Qld 4870 - Lot 10 Plan C198314 PS R23 Adjacent to 82 Kenny Street Cairns Qld 4870 - Lot 11 Plan NR7719 PS R15 Adjacent to 84 Cook Street Portsmith Qld 4870 - Lot 4 Plan SP225688 PS SV1 Adjacent to Lot 900 on SP197996 Trinity Park Qld 4879 - Lot 900 Plan SP197996 PS ED2 Adjacent to Lot 99 Swallow Road Edmonton Qld 4869 - Lot 94 Plan RP912874PS HB5 Lot 1 Baronia Crescent Holloways Beach Qld 4878 - Lot 1 Plan NR7813 PS T4 Lot 1 Jensen Street Manoora Qld 4870 - Lot 1 Plan SP277139 PS CB1 Lot 1 Upolu Esplanade Clifton Beach Qld 4879 - Lot 1 Plan SP256611 PS FW2 Lot 1 Lower Freshwater Road Barron Qld 4878 - Lot 1 Plan RP740631 PS TB2 Lot 1 Mararna Street Trinity Beach Qld 4879 - Lot 1 Plan RP724384 PS ED6 Lot 1 Wolff Street Edmonton Qld 4869 - Lot 1 Plan RP722073 PS FG1 Lot 101 Kidman Street White Rock Qld 4868 - Lot 101 Plan RP905271 PS T6 Lot 123 Mayers Street Manoora Qld 4870 - Lot 123 Plan SP261205 PS WR9 Lot 2 Johnson Road White Rock Qld 4868 - Lot 2 Plan SP211740 PS RR5 Lot 2 on O'Brien Road Trinity Park Qld 4879 - Lot 2 Plan SP277156

Environmentally relevant activity/activities	Location(s)
	PS MB1 Lot 3 on School Street Machans Beach Qld 4878 - Lot 3 Plan RP733952 PS ST1 Lot 431 Magazine Street Stratford Qld 4870 - Lot 431 Plan NR7226 PS YK1 Lot 452 Adair Street Yorkeys Knob Qld 4878 - Lot 452 Plan RP710126 PS CV1 Lot 490 Fig Tree Drive Caravonica Qld 4878 - Lot 490 Plan RP749666 PS SH6 Lot 5 Canopy Edge Boulevard Smithfield Qld 4878 - Lot 5 Plan SP270886 PS BM1 Lot 504 Brinsmead Road Brinsmead Qld 4870 - Lot 504 Plan NR7234 PS WR4 Lot 68 Kambara Street White Rock Qld 4868 - Lot 68 Plan RP743959 PS NP1 Lot 777 SP276827 Smithfield Qld 4878 - Lot 777 Plan SP276827 PS SH3 Lot 801 McGregor Road Smithfield Qld 4878 - Lot 801 Plan SP211744 PS WR3 Lot 901 Alabama Street White Rock Qld 4868 - Lot 901 Plan RP903203 PS SV1 Lot 91 Smithfield Village Road Trinity Park Qld 4879 - Lot 91 Plan SP279545 PS EH2 Lot 998 Bosun Close Trinity Park Qld 4879 - Lot 998 Plan SP2824212
ERA 57 Regulated waste transport	**Mobile and temporary** environmentally relevant activity

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority (EA) is issued is a restatement of the ERA as defined by legislation at the time the EA is issued. Where there is

any inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

An EA authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the EA specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Contaminated land

It is a requirement of the EP Act that an owner or occupier of contaminated land give written notice to the administering authority if they become aware of the following:

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days);

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term 'duty to notify'.

Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority-on the nominated day; or

b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or

c) otherwise -on the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the *Planning Act 2016* or an SDA Approval under the *State Development and Public Works Organisation Act 1971*), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.

Liz Clarke
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Date issued: 16 August 2021

Enquiries:
Utilities and Government Organisations Assessment
Department of Environment and Science

Phone: 1300 130 372
Email: palm@des.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Other permits required

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site.

Development Approval

This permit is not a development approval under the *Planning Act 2016*. The conditions of this environmental authority are separate, and in addition to, any conditions that may be on the development approval. If a copy of this environmental authority is attached to a development approval, it is for information only, and may not be current. Please contact the Department of Environment and Science to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

Part	Applicable Location	Environmentally Relevant Activity
Part 1	**General conditions** applicable to all sites except Sewage Pump Stations and Regulated Waste Transport	Applicable to all Environmentally Relevant Activities except Sewage Pump Stations and Regulated Waste Transport
Part 2	**Marlin Coast Wastewater Treatment Plant** Dunne Road, Smithfield 4878 Lot 3 on Plan RP739088 (P442), Lot 217 on Plan CP867126, Lot 1 on Plan RP867129 and Lot 61 on Plan RP867132	ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (b) general waste, (c) category 2 regulated waste ERA 63(1e) Sewage Treatment >10,000 but <50,000EP
Part 3	**Northern Wastewater Treatment Plant** Greenbank Road, Aeroglen 4870 Lot 1 on Plan RP854509, Lot 3 on Plan RP854509, Lot 382 on Plan NR3209 and Lot 2 on Plan RP854509	ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (c) category 2 regulated waste ERA 63(1f) Sewage Treatment >50,000 but <100,000EP ERA 60(1a) Waste Disposal Facility (any combination of regulated waste, general waste and limited regulated waste and <5t untreated clinical wastes if in a scheduled are): <50,000t per year
Part 4	**Southern Wastewater Treatment Plant** Links Drive, Woree 4868 Lot 31 on Plan C19830 and Lot 603 on Plan NR835483	ERA 63(1f) Sewage Treatment >50,000 but <100,000EP ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (c) category 2 regulated waste ERA 60(1b) Waste Disposal Facility (any combination of regulated waste, general waste and limited regulated waste and <5t untreated clinical wastes if in a scheduled are): >50,000t to 100,000t per year
Part 5	**Edmonton Wastewater Treatment Plant** Swallow Road, Edmonton 4869 Lot 99 on Plan SP198647	ERA 63(1e) Sewage Treatment >10,000 but <50,000EP ERA 53(a) Organic material processing - processing more than 200t of organic material in a year by composting the organic material ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (c) category 2 regulated waste
Part 6	**Gordonvale Wastewater Treatment Plant** Rushworth Road, Gordonvale 4865	ERA 63(1d) Sewage Treatment >4,000 but <10,000EP ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (c) category 2 regulated waste

	Lot 1 on Plan RP717943, Lot 6 on Plan RP718729 (P73) and Lot 2 on Plan RP851531	
Part 7	**Babinda Wastewater Treatment Plant** Clyde Road, Babinda 4865 Lot 1 on Plan RP702955	ERA 63(1c) Sewage Treatment >1,500 but <4,000EP
Part 8	**Freshwater Water Treatment Plant** Ferntree Close, Brinsmead 4870 Lot 2 on Plan RP732203 and Lot 2 on Plan SP263790 **Behana Gorge Water Treatment Plant** Lot 64 on Plan RP887337	ERA 64(3) Water Treatment >10ML Raw water per day
Part 9A	**Portsmith Landfill** Recovery Way, Portsmith 4870 Lot 17 on Plan SP270880	ERA 54(1) - Mechanical waste reprocessing - receiving and mechanically reprocessing, in a year, more than 5,000t of inert, non-putrescible waste or green waste only ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (b) general waste, (c) category 2 regulated waste
Part 9B	**Portsmith Landfill** Recovery Way, Portsmith 4870 Lot 17 on Plan SP270880	ERA 60 (4) – Maintaining a decommissioned landfill.
Part 10	**Smithfield Waste Transfer Station** Dunne Road, Smithfield 4878 Lot 1 on Plan RP867129	ERA 54(1) - Mechanical waste reprocessing - receiving and mechanically reprocessing, in a year, more than 5,000t of inert, non-putrescible waste or green waste only ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (b) general waste, (c) category 2 regulated waste
Part 11	**Portsmith Waste Transfer Station** 37-51 Lyons Street, Portsmith 4870 Lot 16 on Plan SP225104	ERA 54(1) - Mechanical waste reprocessing - receiving and mechanically reprocessing, in a year, more than 5,000t of inert, non-putrescible waste or green waste only ERA 62(1) Resource recovery and transfer facility - receiving and sorting, dismantling, baling or temporarily storing – (b) general waste, (c) category 2 regulated waste, (d) category 1 regulated waste
Part 12	**Sewage Pumping Stations** >40KL per hour - standard and varied conditions	ERA 63(2) Operating a sewage pumping Station (design capacity >40KL an hour), if not an essential part of the operation of a sewage treatment works
Part 13	**Mobile and temporary** environmentally relevant activity	ERA 57 Regulated waste transport

Part 1 General conditions

The environmentally relevant activities conducted at all the locations as described above except sewage pump stations and regulated waste transport must be conducted in accordance with the following general conditions of approval.

PART 1 – P1	
Agency interest: General	
Condition number	**Condition**
P1-1	All reasonable and practicable **measures** must be taken to prevent the likelihood of environmental harm being caused.
P1-2	You must, as soon as practicable after becoming aware of: 1. any emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority; or 2. any monitoring result that indicates an exceedance of any environmental authority limit, notify the administering authority of the release by contacting the administering authority's Pollution Hotline or contact the local office by telephone or email.
P1-3	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
P1-4	All **records** must be kept for a period of at least five years and provided to the **administering authority** upon request and in the format requested.
P1-5	An **appropriately qualified person(s)** must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.
P1-6	**You** must record the following details for all environmental **complaints** received: 1. date and time complaint was received; and 2. name and contact details of the complainant; and 3. nature of the complaint; and 4. investigations undertaken; and 5. conclusions formed; and 6. actions taken.

P1-7	When required by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority**, to investigate a **complaint** not considered by the **administering authority** to be frivolous or vexatious, of **environmental nuisance** arising from the **activity**. The monitoring results must be provided to the **administering authority** upon request.
P1-8	The **activity** must be undertaken in accordance with written procedures that: 1. identify potential risks to the environment from the **activity** during routine operations, closure and an emergency; and 2. establish and maintain control **measures** that minimise the potential for environmental harm; and 3. ensure plant, equipment and **measures** are maintained in a proper and effective condition; and 4. ensure plant, equipment and **measures** are operated in a proper and effective manner; and *5.* ensure that staff are trained in and aware of their obligations under the *Environmental Protection Act 1994*; and 6. ensure that reviews of environmental performance are undertaken at least annually.
Agency interest: Air	
Condition number	**Condition**
P1-9	Odours or airborne contaminants must not cause **environmental nuisance** at a **sensitive place** or **commercial place**.
Agency interest: Noise	
Condition number	**Condition**
P1-10	Noise generated by the **activity** must not cause **environmental nuisance** to any **sensitive place** of **commercial place**.

Part 2 Marlin Coast Wastewater Treatment Plant

The environmentally relevant activities conducted at Marlin Coast Wastewater Treatment Plant location as described above must be conducted in accordance with the following site specific conditions of approval.

PART 2 – P2	
Condition number	**Condition**
P2-1	The **activity** conducted under this environmental authority must not be conducted contrary to the following limitation: 1. As a minimum, wet weather inflows of 3 times the **Design Average Dry Weather Flow** (DADWF) of 96L/s must be treated through the standard process of the plant; and 2. Wet weather inflows in excess of 3 times the DADWF may be **bypassed**.
P2-2	An annual monitoring report must be prepared and submitted to the **administering authority** by 30 November each year, for the preceding financial year.
P2-3	A receiving environment monitoring program must be designed and implemented by **appropriately qualified persons** to monitor the effects of the **activity** on **waters**.
P2-4	The receiving environment monitoring program required by condition P2-3, must include at least the following: 1. defining and monitoring of potential effects on the environment including effects on: a) flora and / or fauna communities (such as aquatic plants and aquatic invertebrates); and b) ambient environmental quality in receiving waters; and 2. the relationship between the effluent discharge and environmental quality indicators, including biodiversity.

P2-5

The only contaminants to be released to surface **waters,** excluding **bypass** releases covered by water conditions P2-9 and P2-10, are from the sewage treatment plant to **waters:** *W1* (located at 362456E,8139121N) - Marlin Coast Wastewater Treatment Plant discharge pipe to Avondale Creek via the Smithfield Drainage Board Canal - in accordance with *Part 2 Table 1 - Release limits and monitoring frequency*

Part 2 Table 1 - Release limits and monitoring frequency

Discharge location	Quality characteristic	Min	Median	Short Term 80th Percentile	Long Term 50th Percentile	Long Term 80th Percentile	Long term 90th Percentile	Max	Monitoring frequency
W1	BOD5 (mg/L)				5		15	25	weekly
	Suspended Solids (mg/L)				10		15	25	weekly
	Total Nitrogen (mg/L as N)				5			15	fortnightly
	Ammonia (mg/L as N)			1			3	5	fortnightly
	Total Phosphorus (mg/L as P)				1			3	fortnightly
	pH (pH units)	6.5						8.5	weekly
	Dissolved Oxygen (mg/L)	2.0							weekly
	Thermotolerant Coliforms (organisms/ 100 mL)		1,000(1)					10,000	fortnightly
	Entercocci (ctu/100 mL)								fortnightly
	Oil and Grease (mg/L)			10					fortnightly

(1) median must be based on the results of at least five samples, with individual samples being collected at intervals of not less than thirty (30) minutes.

Associated monitoring requirements

- Sampling must be in accordance with the **administering authority's** *Water Quality Sampling Manual* and all monitoring devices must be effectively calibrated and maintained.

P2-6

In addition to P2-5, the release to **waters** must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other visually objectionable matter excluding **bypass** releases covered by water conditions P2-9 and P2-10.

P2-7

The total mass load of total nitrogen and total phosphorus released to waters for each release point must comply with the limits listed in *Part 2 Table 2 – Release mass load limits*.

Part 2 Table 2 – Release mass load limits

RELEASE POINT	CONTAMINANT	RELEASE LIMIT	LIMIT TYPE
W1	Total Nitrogen as N	16.6075 tonnes/ financial year	Annual Load*
W1	Total Phosphorus as P	3.321 tonnes/ financial year	Annual Load *

Notes to Table

*Annual load means the sum of all fortnightly loads released during the same financial year period.

Calculation of Mass Load

Calculate and keep records of fortnightly and annual mass loads of total nitrogen and total phosphorus released to waters at W1. Mass loads must be calculated by the following formulae:

- Annual Mass Load TN (kg) = Yearly sum of Daily Release Volume (ML) for all **dry weather days** / the number of **dry weather days** x 365 x Yearly **Median** TN Concentration (mg/L)
- Annual Mass Load TP (kg) = Yearly sum of Daily Release Volume (ML) for all **dry weather days** / the number of **dry weather days** in the year x 365 x Yearly **Median** TP Concentration (mg/L).

P2-8

The total volume released to waters via the release point W1, must not exceed the respective volume stated in *Part 2 Table 3 – Maximum permitted quantity of release* for the release point on any one day.

Part 2 Table 3 – Maximum permitted quantity of release

Release Point	Maximum release on any dry weather day	Maximum release on any one day
W1	21.3 ML per day	106.5 ML per day

P2-9

Bypass releases must be screened prior to being released.

P2-10

The following details must be recorded in relation to each **bypass** release:

1. the start time, date and duration of the release; and
2. the estimated volume of the **bypass** release; and
3. the level of treatment at the sewage treatment plant prior to discharge; and
4. the cause of the release; and
5. any monitoring of the water quality released.

P2-11	The only contaminants to be released to land are treated wastewater to the areas identified as Lot 3 on RP739088 (P442), Lot 1 on RP867129, Lot 61 on RP867132 and Lot 217 on CP867126 in accordance with *Part 2 Table 1 – Release limits and monitoring frequency* and the associated monitoring requirements.
P2-12	Treated effluent released to land must be done in accordance with documentation that ensures: 1. drainage to groundwater and subsurface flows of contaminants to surface waters are prevented; and 2. surface pondage and run-off of effluent is prevented; and 3. degradation of soil structure is minimised; and 4. soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised; and 5. spray drift or overspray does not carry beyond effluent disposal areas; and 6. effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and 7. sufficient buffer zones are maintained between irrigation sites and sensitive environmental receptors.
P2-13	Treated sewage effluent may be removed from the site and used for an alternate purpose, with the written consent of any third party involved.
P2-14	Treatment and management of acid sulfate soils must comply with the latest edition of the *Queensland Acid Sulfate Soil Technical Manual*.
P2-15	The only regulated waste that can be received and stored is sewage sludge and screenings.
P2-16	Regulated waste must be stored within a secondary containment system.

Part 3 Northern Wastewater Treatment Plant

The environmentally relevant activities conducted at Northern Wastewater Treatment Plant location as described above must be conducted in accordance with the following site specific conditions of approval.

PART 3 – P3	
Condition number	**Condition**
P3-1	The **activity** conducted under this environmental authority must not be conducted contrary to the following limitation: 1. As a minimum, wet weather inflows of 3 times the **Design Average Dry Weather Flow** (DADWF) of 225L/s must be treated through the standard process of the plant: and 2. Wet weather inflows in excess of 3 times the DADWF may be **bypassed**.
P3-2	An annual monitoring report must be prepared and submitted to the **administering authority** by 30 November each year, for the preceding financial year.
P3-3	A receiving environment monitoring program must be designed and implemented by **appropriately qualified persons** to monitor the effects of the **activity** on **waters**.
P3-4	The receiving environment monitoring program required by condition P3-3, must include at least the following: 1. defining and monitoring of potential effects on the environment including effects on: a) flora and / or fauna communities (such as aquatic plants and aquatic invertebrates); and b) ambient environmental quality in receiving waters; and 2. the relationship between the effluent discharge and environmental quality indicators, including biodiversity.
P3-5	The only contaminants to be released to surface **waters,** excluding **bypass** releases covered by water conditions P3-9 and P3-10, are from the sewage treatment plant to **waters:** *W2* (located at 366150E, 8134409N) - Northern Waste Water Treatment Plant to a concrete channel which discharges to the Barron River - in accordance with *Part 3 Table 1 - Release limits and monitoring frequency.* **Part 3 Table 1 - Release limits and monitoring frequency**

Discharge location	Quality characteristic	Min	Median	Short Term 80th Percentile	Long Term 50th Percentile	Long Term 80th Percentile	Long term 90th Percentile	Max	Monitoring frequency
W2	BOD5 (mg/L)				5		15	25	weekly
	Suspended Solids (mg/L)				10		15	25	weekly
	Total Nitrogen (mg/L as N)				5			15	fortnightly
	Ammonia (mg/L as N)			1			3	5	fortnightly
	Total Phosphorus (mg/L as P)				1			3	fortnightly
	pH (pH units)	6.5						8.5	weekly
	Dissolved Oxygen (mg/L)	2.0							weekly
	Thermotolerant Coliforms (organisms/ 100 mL)		1,000(1)					10,000	fortnightly
	Entercocci (ctu/100 mL)								fortnightly
	Oil and Grease (mg/L)			10					fortnightly

(1) median must be based on the results of at least five samples, with individual samples being collected at intervals of not less than thirty (30) minutes.

Associated monitoring requirements

- Sampling must be in accordance with the **administering authority's** *Water Quality Sampling Manual* and all monitoring devices must be effectively calibrated and maintained.

P3-6

In addition to P3-5, the release to **waters** must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other visually objectionable matter excluding **bypass** releases covered by water conditions P3-9 and P3-10.

P3-7

The total mass load of total nitrogen and total phosphorus released to waters for each release point must comply with the limits listed in *Part 3 Table 2 – Release mass load limits*.

Part 3 Table 1 – Release mass load limits

RELEASE POINT	CONTAMINANT	RELEASE LIMIT	LIMIT TYPE
W2	Total Nitrogen as N	41.245 tonnes/ financial year	Annual Load*
W2	Total Phosphorus as P	8.249 tonnes/ financial year	Annual Load *

Notes to Table

* Annual load means the sum of all fortnightly loads released during the same financial year period.

Calculation of Mass Load

<table>
<tr><td></td><td>Calculate and keep records of fortnightly and annual mass loads of total nitrogen and total phosphorus released to waters at W2. Mass loads must be calculated by the following formulae:
Annual Mass Load TN (kg) = Yearly sum of Daily Release Volume (ML) for all dry weather days / the number of dry weather days x 365 x Yearly Median TN Concentration (mg/L)
Annual Mass Load TP (kg) = Yearly sum of Daily Release Volume (ML) for all dry weather days / the number of dry weather days in the year x 365 x Yearly Median TP Concentration (mg/L).</td></tr>
<tr><td>P3-8</td><td>The total volume released to waters via the release point W2, must not exceed the respective volume stated in Part 3 Table 3 – Maximum permitted quantity of release for the release point on any one day.
Part 3 Table 3 – Maximum permitted quantity of release<table><tr><th>Release Point</th><th>Maximum release on any dry weather day</th><th>Maximum release on any one day</th></tr><tr><td>W2</td><td>34.0 ML per day</td><td>170.0 ML per day</td></tr></table></td></tr>
<tr><td>P3-9</td><td>Wet weather bypass releases must be screened prior to being released.</td></tr>
<tr><td>P3-10</td><td>The following details must be recorded in relation to each bypass release:
the start time, date and duration of the release; and
the estimated volume of the bypass release; and
the level of treatment at the sewage treatment plant prior to discharge; and
the cause of the release; and
any monitoring of the water quality released.</td></tr>
<tr><td>P3-11</td><td>The only contaminants to be released to land are treated wastewater to the areas identified as Lot 382, NR3209, Lot 1, 2 and 3, RP854509 in accordance with Part 3 Table 1 – Release limits and monitoring frequency and the associated monitoring requirements.</td></tr>
<tr><td>P3-12</td><td>Treated effluent released to land must be done in accordance with documentation that ensures:
drainage to groundwater and subsurface flows of contaminants to surface waters are prevented; and
surface pondage and run-off of effluent is prevented; and
degradation of soil structure is minimised; and
soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised; and
spray drift or overspray does not carry beyond effluent disposal areas; and
effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and</td></tr>
</table>

	7. sufficient buffer zones are maintained between irrigation sites and sensitive environmental receptors.
P3-13	Treated sewage effluent may be removed from the site and used for an alternate purpose, with the written consent of any third party involved.
P3-14	This environmental authority also permits the following regulated wastes to be received by truck and/or tanker and treated: • Northern Waste Water Treatment Plant - bacterial sludges and grease interceptor trap effluent and residues.
P3-15	Treatment and management of acid sulfate soils must comply with the latest edition of the *Queensland Acid Sulfate Soil Technical Manual*.
P3-16	The only regulated waste that can be received and stored is sewage sludge and screenings.
P3-17	Regulated waste must be stored within a secondary containment system.

Part 4 - Southern Wastewater Treatment Plant

The environmentally relevant activities conducted at Southern Wastewater Treatment Plant location as described above must be conducted in accordance with the following site specific conditions of approval.

PART 4 – P4	
Condition number	**Condition**
P4-1	The **activity** conducted under this environmental authority must not be conducted contrary to the following limitation: 1. As a minimum, wet weather inflows of 3 times the **Design Average Dry Weather Flow** (DADWF) of 221L/s must be treated through the standard process of the plant; and 2. Wet weather inflows in excess of 3 times the DADWF may be **bypassed**.
P4-2	An annual monitoring report must be prepared and submitted to the **administering authority** by 30 November each year, for the preceding financial year.
P4-3	A receiving environment monitoring program must be designed and implemented by **appropriately qualified persons** to monitor the effects of the **activity** on **waters**.
P4-4	The receiving environment monitoring program required by condition P4-3, must include at least the following: 1. defining and monitoring of potential effects on the environment including effects on: a) flora and / or fauna communities (such as aquatic plants and aquatic invertebrates); and b) ambient environmental quality in receiving waters; and 2. the relationship between the effluent discharge and environmental quality indicators, including biodiversity.
P4-5	The only contaminants to be released to surface **waters,** excluding **bypass** releases covered by water conditions P4-9 and P4-10, are from the sewage treatment plant to **waters:** *W3* (located at 368894E, 8124282N) - from the Southern Waste Water Treatment Plant via a 1:100 diffuser into Trinity Inlet - in accordance with *Part 4 Table 1 - Release limits and monitoring frequency.* **Part 4 Table 1 - Release limits and monitoring frequency**

Discharge location	Quality characteristic	Min	Median	Short Term 80th Percentile	Long Term 50th Percentile	Long Term 80th Percentile	Long term 90th Percentile	Max	Monitoring frequency
W3	BOD5 (mg/L)				5		15	25	weekly
	Suspended Solids (mg/L)				10		15	25	weekly
	Total Nitrogen (mg/L as N)				5			15	fortnightly
	Ammonia (mg/L as N)			1			3	5	fortnightly
	Total Phosphorus (mg/L as P)				1			3	fortnightly
	pH (pH units)	6.5						8.5	weekly
	Dissolved Oxygen (mg/L)	2.0							weekly
	Thermotolerant Coliforms (organisms/ 100 mL)		1,000(1)					10,000	fortnightly
	Enterococci (ctu/100 mL)								fortnightly
	Oil and Grease (mg/L)			10					fortnightly

(1) median must be based on the results of at least five samples, with individual samples being collected at intervals of not less than thirty (30) minutes.

Associated monitoring requirements

- Sampling must be in accordance with the **administering authority's** *Water Quality Sampling* Manual and all monitoring devices must be effectively calibrated and maintained.

P4-6

In addition to P4-5, the release to **waters** must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other visually objectionable matter excluding **bypass** releases covered by water conditions P4-9 and P4-10.

P4-7

The total mass load of total nitrogen and total phosphorus released to waters for each release point must comply with the limits listed in *Part 4 Table 2 – Release mass load limits*.

Part 4 Table 2 – Release mass load limits

RELEASE POINT	CONTAMINANT	RELEASE LIMIT	LIMIT TYPE
W3	Total Nitrogen as N	38.325 tonnes/ financial year	Annual Load*
W3	Total Phosphorus as P	7.665 tonnes/ financial year	Annual Load *

Notes to Table

* Annual load means the sum of all fortnightly loads released during the same financial year period.

Calculation of Mass Load

<table>
<tr><td></td><td>Calculate and keep records of fortnightly and annual mass loads of total nitrogen and total phosphorus released to waters at W3. Mass loads must be calculated by the following formulae:
Annual Mass Load TN (kg) = Yearly sum of Daily Release Volume (ML) for all dry weather days / the number of dry weather days x 365 x Yearly Median TN Concentration (mg/L).
Annual Mass Load TP (kg) = Yearly sum of Daily Release Volume (ML) for all dry weather days / the number of dry weather days in the year x 365 x Yearly Median TP Concentration (mg/L).</td></tr>
<tr><td>P4-8</td><td>The total volume released to waters via the release point W3, must not exceed the respective volume stated in Part 4 Table 3 – Maximum permitted quantity of release for the release point on any one day.
Part 4 Table 3 – Maximum permitted quantity of release<table><tr><th>Release Point</th><th>Maximum release on any dry weather day</th><th>Maximum release on any one day</th></tr><tr><td>W3</td><td>37.0 ML per day</td><td>185.0 ML per day</td></tr></table></td></tr>
<tr><td>P4-9</td><td>Bypass releases are permitted at the following discharge location:
Zone 55, 367381.096584906m E, 8124921.80624582m N.</td></tr>
<tr><td>P4-10</td><td>Bypass releases must be screened prior to being released.</td></tr>
<tr><td>P4-11</td><td>The following details must be recorded in relation to each bypass release:
the start time, date and duration of the release; and
the estimated volume of the bypass release; and
the level of treatment at the sewage treatment plant prior to discharge; and
the cause of the release; and
any monitoring of the water quality released.</td></tr>
<tr><td>P4-12</td><td>The only contaminants to be released to land are treated wastewater to the areas identified as Lot 31 on C19830 and Lot 603 on NR835483 in accordance with Part 4 Table 1 – Release limits and monitoring frequency and the associated monitoring requirements.</td></tr>
<tr><td>P4-13</td><td>Treated effluent released to land must be done in accordance with documentation that ensures:
drainage to groundwater and subsurface flows of contaminants to surface waters are prevented; and
surface pondage and run-off of effluent is prevented; and
degradation of soil structure is minimised; and
soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised; and</td></tr>
</table>

	5. spray drift or overspray does not carry beyond effluent disposal areas effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and 6. sufficient buffer zones are maintained between irrigation sites and sensitive environmental receptors.
P4-14	Treated sewage effluent may be removed from the site and used for an alternate purpose, with the written consent of any third party involved.
P4-15	This environmental authority also permits the following regulated wastes to be received by truck and/or tanker and treated: • Water treatment plant sludge, bacterial sludges and grease interceptor trap effluent and residues.
P4-16	Treatment and management of acid sulfate soils must comply with the latest edition of the *Queensland Acid Sulfate Soil Technical Manual*.
P4-17	The only regulated waste that can be received and stored is sewage sludge and screenings.
P4-18	Regulated waste must be stored within a secondary containment system.

Part 5 - Edmonton Wastewater Treatment Plant

The environmentally relevant activities conducted at Edmonton Wastewater Treatment Plant location as described above must be conducted in accordance with the following site-specific conditions of approval.

PART 5 – P5	
Condition number	**Condition**
P5-1	The **activity** conducted under this environmental authority must not be conducted contrary to the following limitation: 1. As a minimum, wet weather inflows of 3 times the **Design Average Dry Weather Flow** (DADWF) of 78L/s must be treated through the standard process of the plant; and 2. Wet weather inflows in excess of 3 times the DADWF may be **bypassed**.
P5-2	An annual monitoring report must be prepared and submitted to the **administering authority** by 30 November each year, for the preceding financial year.
P5-3	A receiving environment monitoring program must be designed and implemented by **appropriately qualified persons** to monitor the effects of the **activity** on **waters**.
P5-4	The receiving environment monitoring program required by condition P5-3, must include at least the following: 1. defining and monitoring of potential effects on the environment including effects on: a) flora and / or fauna communities (such as aquatic plants and aquatic invertebrates); and b) ambient environmental quality in receiving waters; and 2. the relationship between the effluent discharge and environmental quality indicators, including biodiversity.
P5-5	The only contaminants to be released to surface **waters,** excluding **bypass** releases covered by water conditions P5-9 and P5-10, are from the sewage treatment plant to **waters:** *W4* (located at 369119E, 8121216N) - from the Edmonton Waste Water Treatment Plant via a 1:100 diffuser into Trinity Inlet - in accordance with *Part 5 Table 1 - Release limits and monitoring frequency.* **Part 5 Table 1 - Release limits and monitoring frequency**

Discharge location	Quality characteristic	Min	Median	Short Term 80th Percentile	Long Term 50th Percentile	Long Term 80th Percentile	Long term 90th Percentile	Max	Monitoring frequency
W4	BOD5 (mg/L)				5		15	25	weekly
	Suspended Solids (mg/L)				10		15	25	weekly
	Total Nitrogen (mg/L as N)				5			15	fortnightly
	Ammonia (mg/L as N)			1			3	5	fortnightly
	Total Phosphorus (mg/L as P)				1			3	fortnightly
	pH (pH units)	6.5						8.5	weekly
	Dissolved Oxygen (mg/L)	2.0							weekly
	Thermotolerant Coliforms (organisms/ 100 mL)		1,000(1)					10,000	fortnightly
	Entercocci (ctu/100 mL)								fortnightly
	Oil and Grease (mg/L)			10					fortnightly

(1) median must be based on the results of at least five samples, with individual samples being collected at intervals of not less than thirty (30) minutes.

Associated monitoring requirements

- Sampling must be in accordance with the **administering authority's** *Water Quality Sampling Manual* and all monitoring devices must be effectively calibrated and maintained.

P5-6

In addition to P5-5, the release to **waters** must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other visually objectionable matter excluding **bypass** releases covered by water conditions P5-9 and P5-10.

P5-7

The total mass load of total nitrogen and total phosphorus released to waters for each release point must comply with the limits listed in *Part 5 Table 2 – Release mass load limits*.

Part 5 Table 2 – Release mass load limits

RELEASE POINT	CONTAMINANT	RELEASE LIMIT	LIMIT TYPE
W4	Total Nitrogen as N	12.775 tonnes/ financial year	Annual Load*
W4	Total Phosphorus as P	2.555 tonnes/ financial year	Annual Load *

Notes to Table

* Annual load means the sum of all fortnightly loads released during the same financial year period.

Calculation of Mass Load

Calculate and keep records of fortnightly and annual mass loads of total nitrogen and total phosphorus released to waters at W4. Mass loads must be calculated by the following formulae:

- Annual Mass Load TN (kg) = Yearly sum of Daily Release Volume (ML) for all **dry weather days** / the number of **dry weather days** x 365 x Yearly **Median** TN Concentration (mg/L)

<table>
<tr><td></td><td>

- Annual Mass Load TP (kg) = Yearly sum of Daily Release Volume (ML) for all **dry weather days** / the number of **dry weather days** in the year x 365 x Yearly **Median** TP Concentration (mg/L).

</td></tr>
<tr><td>P5-8</td><td>The total volume released to waters via the release point W4, must not exceed the respective volume stated in Part 5 Table 3 – Maximum permitted quantity of release for the release point on any one day.
Part 5 Table 3 – Maximum permitted quantity of release
<table>
<tr><th>Release Point</th><th>Maximum release on any dry weather day</th><th>Maximum release on any one day</th></tr>
<tr><td>W4</td><td>14.6 ML per day</td><td>73.0 ML per day</td></tr>
</table></td></tr>
<tr><td>P5-9</td><td>Wet weather bypass releases are permitted at the following discharge location:

- Zone 55, 368099.058088727m E, 8120897.80481793m N.

</td></tr>
<tr><td>P5-10</td><td>Wet weather bypass releases must be screened prior to being released.</td></tr>
<tr><td>P5-11</td><td>The following details must be recorded in relation to each bypass release:

1. the start time, date and duration of the release; and
2. the estimated volume of the **bypass** release; and
3. the level of treatment at the sewage treatment plant prior to discharge; and
4. the cause of the release; and
5. any monitoring of the water quality released.

</td></tr>
<tr><td>P5-12</td><td>The only contaminants to be released to land are treated wastewater to the areas identified as Lot 99 on SP198647 in accordance with Part 5 Table 1 – Release limits and monitoring frequency and the associated monitoring requirements.</td></tr>
<tr><td>P5-13</td><td>Treated effluent released to land must be done in accordance with documentation that ensures:

1. drainage to groundwater and subsurface flows of contaminants to surface waters are prevented; and
2. surface pondage and run-off of effluent is prevented; and
3. degradation of soil structure is minimised; and
4. soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised; and
5. spray drift or overspray does not carry beyond effluent disposal areas; and
6. effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and

</td></tr>
</table>

	7. sufficient buffer zones are maintained between irrigation sites and sensitive environmental receptors.
P5-14	Only the following waste streams can be received at the site: 1. bacterial sludges; and 2. water treatment plant sludges; and 3. lime neutralised sludges.
P5-15	Treated sewage effluent may be removed from the site and used for an alternate purpose, with the written consent of any third party involved.
P5-16	Treatment and management of acid sulfate soils must comply with the latest edition of the *Queensland Acid Sulfate Soil Technical Manual*.
P5-17	The only regulated waste that can be received and stored is sewage sludge and screenings.
P5-18	Regulated waste must be stored within a secondary containment system.

Part 6 - Gordonvale Wastewater Treatment Plant

The environmentally relevant activities conducted at Gordonvale Wastewater Treatment Plant location as described above must be conducted in accordance with the following site specific conditions of approval.

<table>
<tr><th colspan="2">PART 6 – P6</th></tr>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>P6-1</td><td>The activity conducted under this environmental authority must not be conducted contrary to the following limitation:
1. As a minimum, wet weather inflows of 3 times the Design Average Dry Weather Flow (DADWF) of 22.5L/s must be treated through the standard process of the plant; and
2. Wet weather inflows in excess of 3 times the DADWF may be bypassed.</td></tr>
<tr><td>P6-2</td><td>An annual monitoring report must be prepared and submitted to the administering authority by 30 November each year, for the preceding financial year.</td></tr>
<tr><td>P6-3</td><td>A receiving environment monitoring program must be designed and implemented by appropriately qualified persons to monitor the effects of the activity on waters.</td></tr>
<tr><td>P6-4</td><td>The receiving environment monitoring program required by condition P6-3, must include at least the following:
(a) defining and monitoring of potential effects on the environment including effects on:
(i) flora and / or fauna communities (such as aquatic plants and aquatic invertebrates); and
(ii) ambient environmental quality in receiving waters; and
(b) the relationship between the effluent discharge and environmental quality indicators, including biodiversity.</td></tr>
<tr><td>P6-5</td><td>The total volume released to waters via the release point W5, must not exceed the respective volume stated in Part 6 Table 1 – Maximum permitted quantity of release for the release point on any one day.
Part 6 Table 1 – Maximum permitted quantity of release
<table>
<tr><th>Release Point</th><th>Maximum release on any dry weather day</th><th>Maximum release on any wet weather day</th></tr>
<tr><td>W5</td><td>2.7 ML per day</td><td>13.5 ML per day</td></tr>
</table></td></tr>
<tr><td>P6-6</td><td>The only contaminants to be released to surface waters, excluding bypass releases covered by water conditions P6-7 and P6-8 are from the sewage treatment plant to waters: W5 (located at 372010E, 8109887N) in accordance with Part 6 Table 2 - Release limits and monitoring frequency.
Part 6 Table 2 - Release limits and monitoring frequency</td></tr>
</table>

Discharge location	Quality characteristic	Min	Median	Short Term 80th Percentile	Long Term 50th Percentile	Long Term 80th Percentile	Long term 90th Percentile	Max	Monitoring frequency
W5	BOD5 (mg/L)			23		15		45	weekly
	Suspended Solids (mg/L)			30		20		60	weekly
	Ammonia Nitrogen (mg/L as N)			5				7	fortnightly
	pH (pH units)	6.5						8.5	weekly
	Total Nitrogen (mg/L)								fortnightly
	Total Phosphorus as P (mg/L)								fortnightly
	Dissolved Oxygen (mg/L)	2.0							weekly
	Specific conductance								weekly
	Free Residual Chlorine (mg/L)							0.7	fortnightly
	Thermotolerant Coliforms (organisms/ 100 mL)		10,000(1)	40,000					fortnightly
	Oil and Grease (mg/L)			10					fortnightly
	Temperature (Celsius degrees)								weekly

(1) *median must be based on the results of at least five samples, with individual samples being collected at intervals of not less than thirty (30) minutes.*

Associated monitoring requirements

- Sampling must be in accordance with the **administering authority's** *Water Quality Sampling Manual* and all monitoring devices must be effectively calibrated and maintained.

P6-7 **Bypass** releases must be screened prior to being released.

P6-8 The following details must be recorded in relation to each **bypass** release:

1. the start time, date and duration of the release; and
2. the estimated volume of the **bypass** release; and
3. the level of treatment at the sewage treatment plant prior to discharge; and
4. the cause of the release; and
5. any monitoring of the water quality released.

P6-9 In the event of a complaint about noise that the administering authority considers is reasonable, then the emission of noise from the activity must not result in levels greater than those specified in *Part 6 Table 3 – Noise limits* until the circumstances which gave rise to the complaint are resolved.

Part 6 Table 3 - Noise limits

<table>
<tr><td></td><td>
<table>
<tr><th rowspan="2">Noise level measured in dB(A)</th><th colspan="3">Monday to Saturday</th><th colspan="3">Sunday and Public Holidays</th></tr>
<tr><th>7am-6pm</th><th>6pm-10pm</th><th>10pm-7am</th><th>7am-6pm</th><th>6pm-10pm</th><th>10pm-7am</th></tr>
<tr><td colspan="7">Noise measured at a Noise Sensitive Place</td></tr>
<tr><td>$L_{Amax\ adj.\ T}$</td><td>background noise level +5</td><td>background noise level +5</td><td>background noise level +3</td><td>background noise level +5</td><td>background noise level +5</td><td>background noise level +3</td></tr>
<tr><td colspan="7">Noise measured at a Commercial Place</td></tr>
<tr><td>$L_{Amax\ adj.\ T}$</td><td>background noise level +10</td><td>background noise level +10</td><td>background noise level +8</td><td>background noise level +10</td><td>background noise level +10</td><td>background noise level +8</td></tr>
</table>
Associated monitoring requirements
1. All monitoring devices must be correctly calibrated and maintained.
2. Any monitoring must be in accordance with the most recent version of the administering authority's Noise Measurement Manual.
3. Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation.
</td></tr>
<tr><td>P6-10</td><td>All above ground bulk chemical, waste oil and fuel storage tanks on the licensed places must be bunded so that the capacity of the bund is sufficient to contain at least 100% of the largest storage tank plus 10% of the second largest tank within the bund.</td></tr>
<tr><td>P6-11</td><td>All drum storages of chemical, waste oil and fuel on the licensed places must be bunded so that the capacity of the bund is sufficient to contain at least 25% of the maximum design storage volume within the bund.</td></tr>
<tr><td>P6-12</td><td>Treated effluent released to land must be done in accordance with documentation that ensures:
1. drainage to groundwater and subsurface flows of contaminants to surface waters are prevented; and
2. surface pondage and run-off of effluent is prevented; and
3. degradation of soil structure is minimised; and
4. soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised; and
5. spray drift or overspray does not carry beyond effluent disposal areas; and
6. effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and
7. sufficient buffer zones are maintained between irrigation sites and sensitive environmental receptors.</td></tr>
<tr><td>P6-13</td><td>A composite sample, of the sludge generated since the previous sample was taken, must be taken at least once in each three (3) years from each sewage treatment plant licensed under this environmental authority and analysed for the concentrations of the following parameters:
1. total zinc; and
2. total copper; and
3. total aluminium; and
4. total cadmium; and</td></tr>
</table>

	5. total organochlorine pesticides.
P6-14	The holder of this environmental authority may only accept regulated waste into the sewerage system serving the licensed place either commingled with normal domestic sewage or in accordance with the Cairns Regional Council trade waste policy.
P6-15	Only the following waste streams can be received at the site: • sewage sludge and screenings.
P6-16	Treated sewage effluent may be removed from the site and used for an alternate purpose, with the written consent of any third party involved.

Part 7 - Babinda Wastewater Treatment Plant

The environmentally relevant activity conducted at Babinda Wastewater Treatment Plant location as described above must be conducted in accordance with the following site specific conditions of approval.

<table>
<tr><th colspan="2">PART 7 – P7</th></tr>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>P7-1</td><td>An annual monitoring report must be prepared and submitted to the administering authority by 30 November each year, for the preceding financial year.</td></tr>
<tr><td>P7-2</td><td>A receiving environment monitoring program must be designed and implemented by appropriately qualified persons to monitor the effects of the activity on waters.</td></tr>
<tr><td>P7-3</td><td>The receiving environment monitoring program required by condition P7-2, must include at least the following:
1. defining and monitoring of potential effects on the environment including effects on:
a) flora and / or fauna communities (such as aquatic plants and aquatic invertebrates); and
b) ambient environmental quality in receiving waters; and
2. the relationship between the effluent discharge and environmental quality indicators, including biodiversity.</td></tr>
<tr><td>P7-4</td><td>The total volume released to waters via the release point W6, must not exceed the respective volume stated in Part 6 Table 1 – Maximum permitted quantity of release for the release point on any one day.
Part 6 Table 1 – Maximum permitted quantity of release
<table>
<tr><th>Release Point</th><th>Maximum release on any dry weather day</th><th>Maximum release on any wet weather day</th></tr>
<tr><td>W6</td><td>2.2 ML per day</td><td>11 ML per day</td></tr>
</table></td></tr>
<tr><td>P7-5</td><td>The only contaminants to be released to surface waters are from the sewage treatment plant to waters: W6 (located at 386860E, 8082915N) in accordance with Part 7 Table 2 - Release limits and monitoring frequency.
Part 7 Table 2 - Release limits and monitoring frequency</td></tr>
</table>

Discharge location	Quality characteristic	Min	Median (1)	Short Term 80th Percentile	Long Term 50th Percentile	Long Term 80th Percentile	Long term 90th Percentile	Max	Monitoring frequency
W6	BOD5 (mg/L)			25		20		60	fortnightly
	Suspended Solids (mg/L)			60		30		90	fortnightly
	pH (pH units)	6.0						8.5	fortnightly
	Specific Conductance								fortnightly
	Temperature – Celsius degrees								fortnightly
	Total Nitrogen as N (mg/L)								monthly
	Total Phosphorus as P (mg/L)								monthly
	Dissolved Oxygen (mg/L)	2.0							fortnightly
	Free Residual Chlorine (mg/L)							0.7	monthly
	Thermotolerant Coliforms (organisms/ 100 mL)		10,000(1)	40,000					monthly
	Oil and Grease (mg/L)			10					monthly

(1) *median must be based on the results of at least five samples, with individual samples being collected at intervals of not less than thirty (30) minutes.*

Associated monitoring requirements

- Sampling must be in accordance with the **administering authority's** *Water Quality Sampling Manual* and all monitoring devices must be effectively calibrated and maintained.

P7-6

In the event of a complaint about noise that the administering authority considers is reasonable, then the emission of noise from the activity must not result in levels greater than those specified in *Part 7 Table 3 – Noise limits* until the circumstances which gave rise to the complaint are resolved.

Part 7 Table 3 - Noise limits

Noise level measured in dB(A)	Monday to Saturday			Sunday and Public Holidays		
	7am-6pm	6pm-10pm	10pm-7am	7am-6pm	6pm-10pm	10pm-7am
	Noise measured at a Noise Sensitive Place					
$L_{Amax\ adj.\ T}$	background noise level +5	background noise level +5	background noise level +3	background noise level +5	background noise level +5	background noise level +3
Noise measured at a Commercial Place						
$L_{Amax\ adj.\ T}$	background noise level +10	background noise level +10	background noise level +8	background noise level +10	background noise level +10	background noise level +8

Associated monitoring requirements

1. All monitoring devices must be correctly calibrated and maintained.
2. Any monitoring must be in accordance with the most recent version of the **administering authority's** *Noise Measurement Manual.*
3. Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation.

P7-7	All above ground bulk chemical, waste oil and fuel storage tanks on the licensed places must be bunded so that the capacity of the bund is sufficient to contain at least 100% of the largest storage tank plus 10% of the second largest tank within the bund.
P7-8	All drum storages of chemical, waste oil and fuel on the licensed places must be bunded so that the capacity of the bund is sufficient to contain at least 25% of the maximum design storage volume within the bund.
P7-9	Treated effluent released to land must be done in accordance with documentation that ensures: 1. drainage to groundwater and subsurface flows of contaminants to surface waters are prevented; and 2. surface pondage and run-off of effluent is prevented; and 3. degradation of soil structure is minimised; and 4. soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised; and 5. spray drift or overspray does not carry beyond effluent disposal areas; and 6. effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and 7. sufficient buffer zones are maintained between irrigation sites and sensitive environmental receptors.
P7-10	A composite sample, of the sludge generated since the previous sample was taken, must be taken at least once in each three (3) years from each sewage treatment plant licensed under this environmental authority and analysed for the concentrations of the following parameters: 1. total zinc; and 2. total copper; and 3. total aluminium; and 4. total cadmium; and 5. total organochlorine pesticides.
P7-11	The holder of this environmental authority may only accept regulated waste into the sewerage system serving the licensed place either commingled with normal domestic sewage or in accordance with the Cairns Regional Council trade waste policy.
P7-12	This environmental authority permits the following specified regulated wastes to be received and stored at the specified licensed places: • sewage sludge and screenings
P7-13	Treated sewage effluent may be removed from the site and used for an alternate purpose, with the written consent of any third party involved.

Part 8 – Freshwater Water Treatment Plant and Behana Gorge Water Treatment Plant

The environmentally relevant activities conducted at Freshwater and Behana Gorge Water Treatment Plants locations as described above must be conducted in accordance with the following site specific conditions of approval.

PART 8 – P8

Condition number	Condition
P8-1	The only contaminants to be released to surface **waters** are from the water treatment plant to **waters** described as discharge points *W8* (located at 362483E, 81312272N) and *W10* (located at 375683E, 8101898N) - from the Freshwater and Behana Gorge Water Treatment Plants respectively - in accordance with *Part 8 Table 1 - Release limits and monitoring frequency.*

Part 8 Table 1 - Release limits and monitoring frequency

Monitoring Point	Discharge Location	Discharge quality characteristics	Trigger Levels[1] Median[2]	Minimum	Maximum	Monitoring frequency
W7 – reference site[4] Location: 361333E 8128171N	Freshwater Creek	Suspended solids (mg/L)	NA			Monthly[5]
		pH (units)	NA			
		Dissolved oxygen (% saturation)	NA			
		Aluminium (total – µg/L)	NA			
W8 – discharge Location: 362483E 81312272N	Freshwater Creek	Suspended solids (mg/L)	80th percentile[3] of reference site		40	monthly[5]
		pH (units)	Between 6.0 – 8.0	5.0	9.0	
		Dissolved oxygen (% saturation)	Between 85 – 120	80		
		Aluminium (total – µg/L)	55 µg/L or 80th percentile[3] of reference site, whichever is higher		TBD in September 2007	
W9 – reference site[4] Location: 374977E 8099489N	Behana Creek	Suspended solids (mg/L)	NA			quarterly[5]
		pH (units)	NA			
		Dissolved oxygen (% saturation)	NA			
W10 – discharge Location: 375683E 8101898N	Behana Creek	Suspended solids (mg/L)	80th percentile[3] of reference site		40	quarterly[5]
		pH (units)	Between 6.0 – 8.0	5.0	9.0	
		Dissolved oxygen (% saturation)	Between 85 – 120	80		

Meanings and requirements for [1], [2], [3], [4], [5] as referenced above:

(1) ANZECC (2000) trigger levels for aquatic ecosystems of slightly – moderately disturbed systems – Table 3.4.1 level of protection 95%/ Table 3.3.4/ 3.3.5 – tropical Australian upland rivers or *Queensland Water Quality Guidelines, 2006* (QWQG (2006)) guidelines.

	(2) Trigger levels based on the 80th percentile is derived using ANZECC (2000) and QWQG (2006) methodology and are based on the reference sites. (3) Based on a minimum of five consecutive samples. (4) A 'reference site' is described in QWQG (2006). A reference site is a site where conditions are considered to be a suitable baseline or benchmark for assessment and management of the water treatment plant site. The reference site must be selected with reference to the criteria for reference sites for physico-chemical indicators outlined in Table C.1 of the *Queensland Water Quality Guidelines, 2006*. (5) Only when backwash water has been discharged. **Associated monitoring requirements** • Sampling must be in accordance with the **administering authority's** *Water Quality Sampling Manual* and all monitoring devices must be effectively calibrated and maintained.
P8-2	All above ground bulk chemical, waste oil and fuel storage tanks on the licensed places must be bunded so that the capacity of the bund is sufficient to contain at least 100% of the largest storage tank plus 10% of the second largest tank within the bund.
P8-3	All drum storages of chemical, waste oil and fuel on the licensed places must be bunded so that the capacity of the bund is sufficient to contain at least 25% of the maximum design storage volume within the bund.

Part 9 – Portsmith Landfill

The environmentally relevant activities conducted at Portsmith Landfill location as described above must be conducted in accordance with the following site specific conditions of approval. Part 9A applies to ERA 54(1) and ERA 62(1) and Part 9B applies to ERA 60(4).

PART 9A – ERA 54(1) and ERA 62(1).	
Condition number	**Condition**
P9A-1	This environmental authority permits only the following wastes to be received and temporarily stored at the licensed place: 1. treatment tank sludges and biosolids received from the Southern Waste Water Treatment Plant; 2. tyres (limit of 500 on site); 3. green wastes; 4. car bodies and other recyclable solid wastes; 5. regulated waste containers which have not been triple rinsed, pressure rinsed or thoroughly cleaned; 6. waste oil; 7. batteries; 8. lightly contaminated soils; and 9. regulated wastes while awaiting the results of analysis undertaken by the holder of this environmental authority to confirm that the waste can be accepted for disposal on the site in compliance with this environmental authority.
P9A-2	The following wastes must not be received onto the licensed place: 1. untreated clinical wastes including: a) infectious wastes, b) pharmaceutical wastes, c) human body parts, d) pathogenic wastes; and e) cytotoxic wastes; 2. liquescent waste streams or any waste capable of yielding free liquids. 3. regulated wastes which possess any of the properties listed in Part 9A - Table 3 Regulated waste properties are not permitted to be received for disposal at the licensed place.

Part 9A Table 3 – Regulated waste properties

Hazard Characteristic	Description of the Hazard Characteristic
Ignitability	Regulated wastes that are capable of causing a fire when ignited through friction, absorption of moisture, or spontaneous chemical changes under standard temperature and pressure
Corrosivity	Regulated wastes which on dissolution exhibit a pH of two (2) or less, or 12.5 or greater
Reactivity	Regulated wastes if that have any of the following properties: – react violently with water; – form potentially explosive mixtures with water; and or other co-disposed wastes; – generate toxic gases, vapours, of fumes dangerous to human health or the environment when mixed with water,; and or other co-disposed wastes; – contain substances which generate toxic gases vapours or fumes when exposed to pH conditions between 2 and 12.5; and/or – are capable of detonation or explosive reaction when subjected to a strong initiating source or if heated under confinement; and/or – are readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure.
Radioactivity	Regulated wastes containing radioactive substances unless disposal is specifically authorised under the *Radioactive Substances Act 1958*

P9A-3 All waste generated in carrying out the **activity** must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.

P9A-4 All reasonable and practicable **measures** must be taken to contain litter within the **waste operations area**, and retrieve litter released.

P9A-5 Any contaminated stormwater migrating from any perimeter embankment must be effectively intercepted and treated at the licensed place.

P9A-6 The holder of this environmental authority must ensure that any stormwater captured within the bund is free from contaminants or wastes prior to any release to the environment.

P9A-7 Chemicals and fuels in containers of greater than 15 litres must be stored within a **secondary containment system**.

P9A-8 Before applying to surrender this environmental authority, the site must be rehabilitated to achieve a safe, stable and non-polluting landform.

P9A-9 In the event of a complaint about noise that the administering authority considers is reasonable, then the emission of noise from the activity must not result in levels greater than those specified in *Part 9A Table 5 – Noise limits* until the circumstances which gave rise to the complaint are resolved.

Part 9A Table 5 - Noise limits

Noise level measured in dB(A)	**Monday to Saturday**			**Sunday and Public Holidays**		
	7am-6pm	**6pm-10pm**	**10pm-7am**	**7am-6pm**	**6pm-10pm**	**10pm-7am**
	Noise measured at a Noise Sensitive Place					
$L_{Amax\ adj.\ T}$	background noise level +5	background noise level +5	background noise level +3	background noise level +5	background noise level +5	background noise level +3
	Noise measured at a Commercial Place					
$L_{Amax\ adj.\ T}$	background noise level +10	background noise level +10	background noise level +8	background noise level +10	background noise level +10	background noise level +8

Associated monitoring requirements

	1. All monitoring devices must be correctly calibrated and maintained. 2. Any monitoring must be in accordance with the most recent version of the **administering authority's** *Noise Measurement Manual.* 3. Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation.
P9A-10	An annual monitoring report must be prepared for the preceding financial year, and submitted to the **administering authority** when requested.

PART 9B – ERA 60(4)	
Condition number	**Condition**
P9B-1	Wastes must not be received onto the licensed place for disposal.
P9B-2	Any leachate and contaminated stormwater migrating from any perimeter embankment must be effectively intercepted by the leachate collection system installed at the licensed place.
P9B-3	The holder of this environmental authority must ensure that any leachate or contaminated stormwater intercepted by a leachate collection system installed at the licensed place is: 1. conveyed to a leachate storage tank or pond; or 2. disposed of in accordance with condition number P9B-4.
P9B-4	**Leachate** and stormwater runoff which has been in contact with waste materials in the **landfill unit**, must be collected in the **leachate** storage facility and be: 1. treated in the **leachate** treatment plant and discharged to sewer in accordance with the requirements of the relevant water utility; or 2. recirculated through waste disposed in the **landfill unit**; or 3. treated by alternative technologies agreed by the **administering authority** for offsite disposal, discharge, or on-site reuse; or 4. disposed of at a facility that is approved to receive such waste.
P9B-5	The holder of this environmental authority must implement a surface water monitoring program to monitor the impact of the waste disposal activities on Chinamans Creek. The system must include, but not be limited to, a sufficient number of monitoring points at locations and depths so as to: 1. establish the background quality of water in Chinamans Creek upstream of any leakage of contaminants to surface water from Portsmith Landfill; and 2. detect any leakage of contaminants to Chinamans Creek downstream of Portsmith Landfill.
P9B-6	The surface water monitoring program specified in condition number P9B-5 must monitor and record the quality of surface water to detect any potential release(s) of contaminants. This monitoring must be undertaken for at least the following water quality characteristics: 1. electrical conductivity; and 2. pH; and 3. dissolved oxygen; and 4. manganese; and 5. nitrate as N; and 6. ammoniacal N; and

	7. calcium; and 8. sulphate; and 9. iron; and 10. lead; and 11. zinc; and 12. 5-Day Biological Oxygen Demand (BOD_5).
P9B-7	The holder of this environmental authority must monitor surface water quality with samples collected from sample points in accordance with the surface water monitoring program on at least one occasion in each of the months of November, February, May and August each year.
P9B-8	The holder of this environmental authority must ensure that the monitoring points referred to in this part are accessible at all reasonable times to any authorised person. Note: Results of sampling of Chinamans Creek upstream and downstream of Portsmith Landfill site for parameters listed in condition number P9B-6 undertaken as part of another sampling program in which Cairns Regional Council is a party to may satisfy the surface water monitoring requirements of this part of the environmental authority.
P9B-9	Where a landfill gas monitoring program identifies migration of landfill gas in concentrations greater than 25% of the lower explosive limit for methane at or beyond the boundary of any area of the licensed place used for waste disposal, a landfill gas extraction, a collection and disposal system must be installed into the waste disposal facility so as to prevent or minimise: 1. landfill gas migration through any perimeter embankment; and 2. any uncontrolled emission of landfill gas to the atmosphere.
P9B-10	Landfill gas collected by the landfill gas collection system referred to in condition number (P9B-9) may only be disposed of: 1. by passive venting to the atmosphere through gas diffusers; or 2. flared prior to release to the atmosphere; or 3. reused.
P9B-11	A gas extraction system must be installed into any confined useable space or building on the licensed place where a landfill gas monitoring program detects landfill gas in concentrations greater than 25% of the lower explosive limit for methane in useable confined spaces and buildings on the licensed place other than the gas control units or parts thereof.
P9B-12	Land that has been disturbed for activities conducted under this environmental authority must be rehabilitated in a manner such that: 1. suitable species of vegetation for the location are established and sustained for earthen surfaces; and 2. potential for erosion is minimised; and 3. the quality of **water**, including seepage, released from the site does not cause environmental

	harm; and 4. potential for environmental nuisance caused by dust is minimised; and 5. the water quality of any residual water body does not have potential to cause environmental harm; and 6. the final landform is stable and protects public safety
P9B-13	Following cessation of deposition of waste in the **landfill unit**, post-closure care of the **landfill unit** must be conducted for a period of 30 years or until the **administering authority** determines, on the basis of correct information, that the **landfill unit** and surrounding site are stable and that no release of waste materials, **leachate**, landfill gas or other contaminants that may cause environmental harm is likely.
P9B-14	The program of post-closure care implemented must be effective in preventing and/or minimising the likelihood of environmental harm being caused. The program must include measures to: 1. maintain the structural integrity and effectiveness of the final capping system; and 2. maintain and operate the **leachate** collection system; and 3. maintain the **groundwater monitoring system** and monitor quality of groundwater at a frequency sufficient to detect any release of contaminants to groundwater; and 4. maintain and operate the landfill gas monitoring system; and 5. maintain and operate the landfill gas collection system.
P9B-15	An annual monitoring report must be prepared for the preceding financial year, and submitted to the administering authority when requested.

Part 10 – Smithfield Transfer Station

The environmentally relevant activity conducted at Smithfield Transfer Station location as described above must be conducted in accordance with the following site specific conditions of approval.

<table>
<tr><th colspan="2">PART 10 – P10</th></tr>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>P10-1</td><td>In the event of a complaint about noise that the administering authority considers is reasonable, then the emission of noise from the activity must not result in levels greater than those specified in Part 10 Table 1 – Noise limits until the circumstances which gave rise to the complaint are resolved.
Part 10 Table 1 - Noise limits
<table>
<tr><th rowspan="2">Noise level measured in dB(A)</th><th colspan="3">Monday to Saturday</th><th colspan="3">Sunday and Public Holidays</th></tr>
<tr><th>7am-6pm</th><th>6pm-10pm</th><th>10pm-7am</th><th>7am-6pm</th><th>6pm-10pm</th><th>10pm-7am</th></tr>
<tr><td colspan="7">Noise measured at a Noise Sensitive Place</td></tr>
<tr><td>$L_{Amax\ adj.\ T}$</td><td>background noise level +5</td><td>background noise level +5</td><td>background noise level +3</td><td>background noise level +5</td><td>background noise level +5</td><td>background noise level +3</td></tr>
<tr><td colspan="7">Noise measured at a Commercial Place</td></tr>
<tr><td>$L_{Amax\ adj.\ T}$</td><td>background noise level +10</td><td>background noise level +10</td><td>background noise level +8</td><td>background noise level +10</td><td>background noise level +10</td><td>background noise level +8</td></tr>
</table>
Associated monitoring requirements
1. All monitoring devices must be correctly calibrated and maintained.
2. Any monitoring must be in accordance with the most recent version of the administering authority's Noise Measurement Manual.
3. Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation.</td></tr>
<tr><td>P10-2</td><td>Except as otherwise provided by this environmental authority, stormwater runoff from the green waste storage areas must be directed to a first flush collection system(s).</td></tr>
<tr><td>P10-3</td><td>The first flush collection system(s) must be installed and maintained to prevent the release of green wastes or leachate from the green waste storage areas to any waters or the stormwater drainage system.</td></tr>
<tr><td>P10-4</td><td>The first flush collection system must have the capacity to effectively collect and contain the first twenty (20 mm) flush of stormwater runoff from the green waste storage areas and then bypass uncontaminated stormwater runoff.</td></tr>
<tr><td>P10-5</td><td>The stormwater bypass outlet must be designed such that continuing stormwater runoff does not flush any previously collected contents to any stormwater drain.</td></tr>
<tr><td>P10-6</td><td>The captured stormwater runoff contained in the stormwater collection system must be pumped for reuse or disposal without delay after the collection system has been filled so that the capacity of the collection system is again made available in readiness for the next rainfall event.</td></tr>
<tr><td>P10-7</td><td>As often as is necessary to maintain the required capacity, settleable solids must be removed from the collection system of the first flush system and disposed of in a manner in which</td></tr>
</table>

	contaminants or wastes are unlikely to be released to any stormwater drain, roadside gutter or watercourse.
P10-8	A means of readily identifying the available first flush storage capacity at any time, such as a calibrated marker, must be installed and maintained to indicate such capacity to operational staff and authorised persons.
P10-9	Excepting combustion of landfill gas, waste must not be burnt.
P10-10	Only the following waste streams can be received at the site: 1. construction wastes; 2. demolition waste (other than asbestos sheeting or asbestos products); 3. solid inert waste; 4. putrescible wastes and domestic refuse; 5. food processing wastes; 6. commercial and industrial waste; (except for regulated wastes other than those permitted in condition number (P10-11); 7. paper covered plasterboard and metals, provided that such wastes are generated by construction and demolition activities and delivered to the licensed place as part of a mixed load of materials; and 8. green wastes (for storage).
P10-11	Only the following regulated waste streams can be received at the site: 1. used batteries; 2. waste oil; 3. tyres; 4. gas bottles with residual gas; 5. fire extinguishers with residual material; and 6. paint cans with residual paint.
P10-12	In addition to condition P10-10 and P10-11, the following waste streams must not be permitted to be placed at the transfer station at any time: 1. **liquid** or semiliquid waste, other than: a) **liquid** or semi-liquid waste which has been produced in the carrying out of the **activity**; b) **liquid** or semi-liquid waste that is incidental to, and commingled with, the permitted waste streams. 2. hot ash; 3. material that is smouldering or aflame;

<table>
<tr><td></td><td>4. material containing a substance which is ignitable, corrosive, reactive or toxic material (other than materials containing a toxic substance from domestic premises) unless this material is to be deposited into a dedicated monocell with a written approval of the administering authority;
5. all radioactive wastes, unless otherwise approved under the Radiation Safety Act 1999 or approved contaminated soil;
6. an explosive;
7. ammunition, other than ammunition that no longer contains explosives, pyrotechnics or propellants apart from trace residues that are no longer capable of supporting combustion or an explosive reaction.</td></tr>
<tr><td>P10-13</td><td>Waste oil must only be stored in a tank suitably constructed so as to prevent spillage or leakage.</td></tr>
<tr><td>P10-14</td><td>The waste oil storage tank must be bunded to contain at least the capacity of the tank.</td></tr>
<tr><td>P10-15</td><td>Used batteries may only be stored in the areas designed for this purpose in a covered enclosure, which has been appropriately bunded to contain spillages and leakages.</td></tr>
<tr><td>P10-16</td><td>Waste Tyres may be stored in temporary above ground heaps on the licensed place provided that there are no more than 150 waste tyres at any time.</td></tr>
<tr><td>P10-17</td><td>Where there is more than one (1) heap of waste tyres, the holder of this environmental authority must established and maintain a separation distance between the heaps so as to prevent fire from spreading:
1. from one (1) tyre storage heap to another; and
2. to other waste stored or disposed of at the licensed place.</td></tr>
<tr><td>P10-18</td><td>The holder of this environmental authority must install a sampling point, capable of being easily accessible, to monitor the quality of contaminants collected in the first flush collection system prior to discharge into the stormwater drain.</td></tr>
<tr><td>P10-19</td><td>The holder of this environmental authority is responsible for determining stormwater quality characteristics from the sampling point provided in accordance with condition number P10-18 and at a frequency not less than specified in Part 10 Table 2 – Required Release Point Determinations.
Part 10 - Table 2 Required Release Point Determinations
<table>
<tr><th>DETERMINATION REQUIRED</th><th>FREQUENCY</th></tr>
<tr><td>5-Day Biochemical Oxygen Demand</td><td>3 monthly</td></tr>
<tr><td>Suspended Solids</td><td>3 monthly</td></tr>
<tr><td>pH</td><td>3 monthly</td></tr>
<tr><td>Specific Conductance</td><td>3 monthly</td></tr>
<tr><td>Dissolved Oxygen</td><td>3 monthly</td></tr>
<tr><td>Chemical Oxygen Demand</td><td>3 monthly</td></tr>
<tr><td>Microtox</td><td>3 monthly</td></tr>
</table></td></tr>
<tr><td>P10-20</td><td>A receiving environment monitoring program must be designed and implemented by appropriately qualified persons to monitor the effects of the activity on waters.</td></tr>
</table>

P10-21	The **receiving environment monitoring program** must include at least the following: 1. The locations of monitoring stations including monitoring upstream and downstream of the licensed release as well as any control locations; and 2. the proposed sampling depths; and 3. the water quality characteristics specified in Part 10 - Table 1: Required Release Point Determinations; and 4. the frequency of sampling and analysis specified in Part 10 - Table 1: Required Release Point Determinations; and 5. any historical data sets to be relied upon; and 6. the type of statistical analysis to be performed on data collected including proposed levels for type 1 and type 2 errors.
P10-22	An annual monitoring report must be prepared for the preceding financial year, and submitted to the administering authority when requested.
P10-23	The crushing, milling, grinding or screening activity is limited to mulching of green waste and crushing of scrap metal.

Part 11 – Portsmith Transfer Station

The environmentally relevant activity conducted at Portsmith Transfer Station location as described above must be conducted in accordance with the following site specific conditions of approval.

<table>
<tr><th colspan="2">PART 11 – P11</th></tr>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>P11-1</td><td>Noise generated by the activity must not cause environmental nuisance to any sensitive place or commercial place.</td></tr>
<tr><td>P11-2</td><td>The only contaminants to be released to surface waters are stormwater runoff waters released from the first flush system from areas of the site not likely to be contaminated with waste materials to waters described as Chinaman Creek in accordance with Part 11 Table 1 - Surface water release limits and the associated monitoring requirements.
Part 11 Table 1 - Surface water release limits
<table>
<tr><th>Release Point</th><th>Quality Characteristic</th><th>Limit</th><th>Limit Type</th><th>Minimum Monitoring Frequency</th></tr>
<tr><td rowspan="2">Release point of first flush system</td><td>Total Suspended Solids</td><td>50 mg/L</td><td>Maximum</td><td>Monthly between 1 December and 30 April, and 3 monthly for remainder of year.</td></tr>
<tr><td>Oil and grease</td><td>15 mg/L</td><td>Maximum</td><td>Monthly between 1 December and 30 April, and 3 monthly for remainder of year.</td></tr>
</table>
Associated monitoring requirements
1. Monitoring must be in accordance with the methods prescribed in the current edition of the administering authority's Water Quality Sampling Manual.
2. Samples must be taken using representative samples.
3. All determinations must employ analytical practical quantification limits sufficiently low enough to enable comparisons to be made against water quality objectives/limits relevant to the particular water quality characteristic.
4. All monitoring devices must be correctly calibrated and maintained.</td></tr>
<tr><td>P11-3</td><td>Monitoring of contaminant releases to waters must be undertaken in accordance with condition P11-2 and records of the results must be kept.</td></tr>
<tr><td>P11-4</td><td>In addition to P11-2, the release to waters must not:
1. have any other properties at a concentration that is capable of causing environmental harm
2. produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other visually objectionable matter.</td></tr>
<tr><td>P11-4</td><td>Only the following waste streams can be accepted at the site:
1. Construction waste</td></tr>
</table>

	2. Demolition waste (including asbestos products) 3. Solid inert waste 4. Green waste 5. Putrescible waste and domestic refuse 6. Food processing waste 7. Paper covered plasterboard and metals (provided that such wastes are generated by construction and demolition activities and delivered to the site as part of a mixed load of materials); and 8. Green wastes (for storage)
P11-5	Only the following regulated waste streams can be received at the site: 1. Used batteries 2. Waste oil 3. Tyres 4. Gas bottles with residual gas 5. Fire extinguishers with residual material 6. Paint cans with residual paint 7. Clinical and related waste / Pharmaceuticals; and 8. Asbestos
P11-6	In addition to conditions P11-4 and P11-5, the following waste streams must not be permitted to be placed at the transfer station at any time: 1. **liquid** or semiliquid waste, other than: a) **liquid** or semi-liquid waste which has been produced in the carrying out of the **activity**; b) **liquid** or semi-liquid waste that is incidental to, and commingled with, the permitted waste streams. c) waste oil 2. hot ash; 3. material that is smouldering or aflame; 4. material containing a substance which is ignitable, corrosive, reactive or **toxic material** (other than materials containing a toxic substance from domestic premises) unless this material is to be deposited into a dedicated monocell with a written approval of the **administering authority**; 5. all radioactive wastes, unless otherwise approved under the *Radiation Safety Act 1999* or approved contaminated soil; 6. an explosive; or 7. ammunition, other than ammunition that no longer contains explosives, pyrotechnics or

	propellants apart from trace residues that are no longer capable of supporting combustion or an explosive reaction.
P11-7	Excepting combustion of landfill gas, waste must not be burnt.
P11-8	The crushing, milling, grinding or screening activity is limited to mulching of green waste, crushing of scrap metal as well as the crushing and screening of construction and demolition waste.
P11-9	The crushing, milling, grinding or screening activity authorised by condition P11-8 must not exceed a total of 30,000 tonnes of waste processed in a year.
P11-10	The crushing, milling, grinding or screening activity authorised by condition P11-8 must not occur outside the hours of Monday to Friday 7 am - 5 pm.

Part 12 – Sewage Pump Stations

The environmentally relevant activities conducted at Sewage Pump Stations locations as described below must be conducted in accordance with the following standard and varied conditions of approval.

Part 12 – P12	
Relevant activity: ERA 63(2) Operating a sewage pumping Station (design capacity >40KL an hour), if not an essential part of the operation of a sewage treatment works	
With the exception of any variations, the conditions of approval for this environmental authority include standard conditions contained within the attached document(s) entitled: • "Code of environmental compliance for certain aspects of sewage treatment activities (ERA 63) – Version 1" • Variations to the standard conditions are as follows:	
Condition number	**Condition**
7	***Standard conditions 4, 5, 6 and 7 are replaced with the following single condition (Condition 7):*** The activity must be undertaken in accordance with written procedures that: a) identify potential risks to the environment from the activity during routine operations and emergencies including flooding; b) establish control measures that minimise the potential for environmental harm; c) ensure plant and equipment is maintained and operated in proper and effective condition; d) ensure that staff are trained and aware of their obligations under the *Environmental Protection Act 1994*; and e) ensure that reviews of environmental performance are undertaken at least annually.
10	**Release to land and waters** The operator must ensure that contaminants are not released to land or waters (including the bed and banks of any waters) as a result of the activity unless all reasonably and practicable measures have been taken to prevent the release.

13	**Standard conditions 11, 12 and 13 are replaced with the following single condition (Condition 13):** **Notifiable release** You must, as soon as practicable after becoming aware of: 1. any emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority; or 2. any monitoring result that indicates an exceedance of any environmental authority limit, notify the administering authority of the release by contacting the administering authority's Pollution Hotline or contact the local office by telephone or email.
15	**General release reporting** Annual reports outlining all releases in accordance with condition 14 must clearly identify: 1. the waste water treatment plant which the pumping station is connected to; 2. the number of releases; 3. the volume (or estimate of the volume) of each release*; 4. the location of each release by suburb post code; and 5. if the release was reported under ss. 320-320G of the *Environmental Protection Act 1994*. **The volume (or estimate of the volume) of each release is only required to be reported for releases occurring after 30 June 2017.*

Activity Locations
PS B, Terminus Street PARRAMATTA PARK QLD 4870 – Adjacent to Lot 2 on RP701334
PS B1,179 Howard Kennedy Drive BABINDA QLD 4861 - Lot 1 on RP729177
PS C, 84 Minnie Street PARRAMATTA PARK QLD 4870 - Lot 3 on RP701362
PS CB2, 22 Hope Street CLIFTON BEACH QLD 4879 - Lot 214 on CP893544
PS CB4, Upolo Esplanade CLIFTON BEACH QLD 4879 - Adjacent to Lot 26 on SP106007
PS CB5 Gibson Close CLIFTON BEACH QLD 4879 - Adjacent to Lot 41 on RP744022
PS D, Road Reserve Gatton Street PARRAMATTA PARK QLD 4870 - Adjacent to Lot 32 on RP701432
PS DC1, Lot 906 Yamba Close KEWARRA BEACH QLD 4879 - Lot 906 on SP256612
PS E Road Reserve Charles Street PARRAMATTA PARK QLD 4870 - Adjacent to Lot 63 on RP701435

PS F, Martyn Street MANUNDA QLD 4870 - Adjacent to Lot 1 on RP711563

PS FW2, Road Reserve Kamerunga Road FRESHWATER QLD 4870 - Adjacent to Lot 998 on SP190270

SPS G, 17 Hartley Street CAIRNS QLD 4870 - Lot 1 on SP187403

PS L, 416 Sheridan Street CAIRNS NORTH QLD 4870 - Lot 528 on NR5634

PS R1, 2 Lynch Street BUNGALOW QLD 4870 - Lot 28 on RP711150

PS R16, Road Reserve Liberty Street PORTSMITH QLD 4870 - Adjacent to Lot 2 on SP122862

PS R17, Road Reserve Kenny Street PORTSMITH QLD 4870 - Adjacent to Lot 41 on SP186116

PS R3, Road Reserve Quigley Street BUNGALOW QLD 4870 - Adjacent to Lot 2 on RP710272

PS RR2, Road Reserve Reed Road TRINITY PARK QLD 4879 - Adjacent to Lot 10 on RP726823

PS S1, 9 Marshall Street BUNGALOW QLD 4870 - Lot 3 Plan RP729124

PS SH2, Road Reserve Captain Cook Highway SMITHFIELD 4878 - Adjacent to Lot 47 on RP729470

PS H Esplanade and Shield Street. Cairns City - Lot 2 on Plan SP160326 and Lot 113 on Plan SP132560

PS GO4 Klarwein Close, Gordonvale – Lot 77 Plan NR7679

PS GO2 Campbell Street, Gordonvale – Lot 76 Plan NR6508

PS GO5 Kern Street, Gordonvale – Adjacent to Lot 242 SP214851

PS GO1 Cleland Street, Gordonvale – Lot 177 Plan NR5728

PS B1 Peevers Road, Babinda – Lot 10 Plan SP268629

PS B2 Bruce Highway - Rotary Park, Babinda – Lot 236 Plan NR6626

From superseded Environmental Authority EPVX04139116

PS ED4 1 Compton Court BENTLEY PARK 4869 - Lot 996 Plan RP882234;

PS T1 1 English Street MANUNDA 4870 - Lot 1 Plan RP889325

PS YK2 106 Deauville Close YORKEYS KNOB 4878 - Lot 106 Plan SP137305

PS R6 108 Aumuller Street PORTSMITH 4870 - Lot 16 Plan RP719342

PS HB5 108 Baronia Crescent HOLLOWAYS BEACH 4878 - Lot 22 Plan RP742750

PS A41 11 Aeroglen Drive AEROGLEN 4870 - Lot 12 Plan NR4175

PS RL2 113 Xavier Herbert Drive REDLYNCH 4870 - Lot 902 Plan SP218276

PS R30 12 Hollingsworth Street PORTSMITH 4870 - Lot 13 Plan SP154020

PS CB3 13 Clifton Beach Road CLIFTON BEACH 4879 - Lot 2 Plan RP735343

PS J1 13 Water Street CAIRNS 4870 - Lot 41 Plan SP121896

PS J 147 Grafton Street CAIRNS 4870 - Lot 2 Plan C198264

PS R19 149 Buchan Street BUNGALOW 4870 - Lot 2 Plan RP715761

PS SH5 16 Mount Milman Drive SMITHFIELD 4878 - Lot 47 Plan RP911569

PS R9 16 Rose Street WESTCOURT 4870 - Lot 136 Plan RP712392

PS S2 17 Coxall Street MOOROOBOOL 4870 - Lot 22 Plan RP701382

PS ST2 17 Industrial Avenue STRATFORD 4870 - Lot 17 Plan RP749474

PS RR9 17 Ragamuffin Quay TRINITY PARK 4879 - Lot 908 Plan SP165903

PS B5 18 Pollard Road BABINDA QLD 4861 - Lot 18 Plan RP887338

PS YK3 19 Caddy Street YORKEYS KNOB 4878 - Lot 105 Plan RP727750

PS WR1 2 Dallas Street WHITE ROCK 4868 - Lot 2 Plan RP748678

PS W6 2 Maconachi Street WOREE 4868 - Lot 1 Plan RP731149

PS KA1 20 Romney Street KAMERUNGA 4870 - Lot 211 Plan K3531

PS TB4 22 Trinity Beach Road TRINITY BEACH 4879 - Lot 93 Plan SP178701

PS HB1 3 Alamanda Street HOLLOWAYS BEACH 4878 - Lot 28 Plan RP710286

PS RR6 31 Marina QY TRINITY PARK 4879 - Lot 901 Plan SP165903

PS K01 356 Sheridan Street CAIRNS NORTH 4870 - Lot 436 Plan SP222768

PS ST3 49 Greenbank Road STRATFORD 4870 - Lot 437 Plan NR5014

PS YK4 5 Paul Close YORKEYS KNOB 4878 - Lot 248 Plan NR6393

PS TB1-01 51 Trinity Beach Road TRINITY BEACH 4879 - Lot 363 Plan RP729082

PS RR8 53 Harbour Drive TRINITY PARK 4879 - Lot 902 Plan SP165903

PS R8 53 Lyons Street PORTSMITH 4870 - Lot 113 Plan SP132575

PS HB4 55 Bamboo Street HOLLOWAYS BEACH 4878 - Lot 68 Plan RP735040

PS R21 57 Aumuller Street PORTSMITH 4870 - Lot 15 Plan AP15816

PS RL1 6 Kamerunga Road REDLYNCH 4870 - Lot 6 Plan RP747242

PS KB3 7 Albatross Street KEWARRA BEACH 4879 - Lot 69 Plan RP737556

PS ES1 7 Johnston Street AEROGLEN 4870 - Lot 16 Plan C198182

PS WR5 70 Hollywood Street WHITE ROCK 4868 - Lot 674 Plan NR7090

PS R12 73 Boland Street WESTCOURT 4870 - Lot 5 Plan C198437

PS KB1 8 Gannet Street KEWARRA BEACH 4879 - Lot 211 Plan NR7169 and Lot 171 Plan RP733915

PS RR7 83 Harbour Drive TRINITY PARK 4879 - Lot 904 Plan SP165903

SP RL5 901 Mary Parker Drive REDLYNCH 4870 - Lot 901 Plan SP155114

PS ED1 902 Swallow Road EDMONTON 4869 - Lot 902 Plan RP910477

PS PC2 99 Williams Esplande PALM COVE 4879 - Lot 500 Plan SP247831

PS EH3 Adjacent 1 Flagship Drive,TRINITY BEACH 4879 - Lot 999 Plan SP214833

PS R2 Adjacent 186 Scott Street BUNGALOW 4870 - Lot 12 Plan SP210273

PS HB3A Adjacent 21 Oak Street HOLLOWAYS BEACH 4878 - Lot 1 Plan RP734215

PS YK1AAdjacent 28 Fairweather Street YORKEYS KNOB 4878 - Lot 1 Plan BUP70598

PS F1 Adjacent to 10 Adelaide Street MANUNDA 4870 - Lot 10 Plan NR8017

PS W5 Adjacent to 10 Ponzo Street WOREE 4868 - Lot 9 Plan SP184851

PS A Adjacent to 105 Bunda Street CAIRNS - Lot 1 Plan RP731413

PS R7 Adjacent to 106 Hartley Street BUNGALOW 4870 - Lot 1 Plan RP804229

PS HB1A Adjacent to 12 Zamia Street HOLLOWAYS BEACH 4878 - Lot 39 Plan RP726827

PS YK3A Adjacent to 13 Golf Street YORKEYS KNOB 4878 - Lot 97 Plan RP727750

PS R17 Adjacent to 13 Kenny Street PORTSMITH 4870 - Lot 345 Plan SP113643

PS S3 Adjacent to 15 JACKSON CLOSE WESTCOURT 4870 - Lot 15 Plan RP725484

PS R20 Adjacent to 15 Redden Street PORTSMITH 4870 - Lot 65 Plan NR6983

PS S4 Adjacent to 150 McCOOMBE STREET MOOROOBOOL 4870 - Lot 2 Plan RP730391

PS PC1 Adjacent to 17 Veivers Road PALM COVE 4879 - Lot 54 Plan RP725473

PS R14 Adjacent to 18 Mann Street WESTCOURT 4870 - Lot 5 Plan SP182733

PS YKC4 Adjacent to 19 Jessie Close YORKEYS KNOB 4878 - Lot 15 Plan RP726350

PS T10 Adjacent to 196 McCormack Street MANUNDA 4870 - Lot 19 Plan RP867021

PS R5 Adjacent to 203 Hartley Street PORTSMITH 4870 - Lot 1 Plan RP722499

PS R12 Adjacent to 22 Earl Street WESTCOURT 4870 - Lot 21 Plan RP716884

PS R10 Adjacent to 257 Lyons Street WESTCOURT 4870 - Lot 3 Plan SP262351

PS T15 Adjacent to 26 Hoare Street MANUNDA 4870 - Lot 140 Plan NR4198

PS YK4A Adjacent to 3 Josephine Close YORKEYS KNOB 4878 - Lot 26 Plan RP730249

PS R27 Adjacent to 35 Redden Street PORTSMITH 4870 - Lot 699 Plan NR8102

PS SV1 Adjacent to 38 Noorwood Cresent SMITHFIELD 4878 - Lot 87 Plan SP197999

PS ED7 Adjacent to 40 Thomson Road EDMONTON 4869 - Lot 1 Plan RP743804

PS YK4B Adjacent to 410 Varley Street YORKEYS KNOB 4878 - Lot 31 Plan RP808360

PS A41 Adjacent to 47 Palmerston Street AEROGLEN 4870 - Lot 2 Plan RP710620

PS YK1B Adjacent to 48 Rutherford Street YORKEYS KNOB 4878 - Lot 227 Plan RP706856

PS WW Adjacent to 51 Boden Street EDGE HILL 4870 - Lot 33 Plan RP726728

PS W6 Adjacent to 55 Maconachie Street WOREE 4868 - Lot 42 Plan C19830

PS R19 Adjacent to 60 Buchan Street PORTSMITH 4870 - Lot 10 Plan C198314

PS R23 Adjacent to 82 Kenny Street CAIRNS 4870 - Lot 11 Plan NR7719

PS R15 Adjacent to 84 Cook Street PORTSMITH 4870 - Lot 4 Plan SP225688

PS SV1 Adjacent to Lot 900 on SP197996 TRINITY PARK 4879 - Lot 900 Plan SP197996

PS ED2 Adjacent to Lot 99 Swallow Road EDMONTON 4869 - Lot 94 Plan RP912874PS HB5 Lot 1 Baronia Crescent HOLLOWAYS BEACH 4878 - Lot 1 Plan NR7813

PS T4 Lot 1 Jensen Street MANOORA 4870 - Lot 1 Plan SP277139

PS CB1 Lot 1 Upolu Esplanade CLIFTON BEACH 4879 - Lot 1 Plan SP256611

PS FW2 Lot 1 Lower Freshwater Road BARRON 4878 - Lot 1 Plan RP740631

PS TB2 Lot 1 Mararna Street TRINITY BEACH 4879 - Lot 1 Plan RP724384

PS ED6 Lot 1 Wolff Street EDMONTON 4869 - Lot 1 Plan RP722073

PS FG1 Lot 101 Kidman Street WHITE ROCK 4868 - Lot 101 Plan RP905271

PS T6 Lot 123 Mayers Street MANOORA 4870 - Lot 123 Plan SP261205

PS WR9 Lot 2 Johnson Road WHITE ROCK 4868 - Lot 2 Plan SP211740

PS RR5 Lot 2 on O'Brien Road TRINITY PARK 4879 - Lot 2 Plan SP277156

PS MB1 Lot 3 on School Street MACHANS BEACH 4878 - Lot 3 Plan RP733952

PS ST1 Lot 431 Magazine Street STRATFORD 4870 - Lot 431 Plan NR7226

PS YK1 Lot 452 Adair Street YORKEYS KNOB 4878 - Lot 452 Plan RP710126

PS CV1 Lot 490 Fig Tree Drive CARAVONICA 4878 - Lot 490 Plan RP749666

PS SH6 Lot 5 Canopy Edge Boulevard SMITHFIELD 4878 - Lot 5 Plan SP270886

PS BM1 Lot 504 Brinsmead Road BRINSMEAD 4870 - Lot 504 Plan NR7234

PS WR4 Lot 68 Kambara Street WHITE ROCK 4868 - Lot 68 Plan RP743959

PS NP1 Lot 777 SP276827 SMITHFIELD 4878 - Lot 777 Plan SP276827

PS SH3 Lot 801 McGregor Road SMITHFIELD 4878 - Lot 801 Plan SP211744

PS WR3 Lot 901 Alabama Street WHITE ROCK 4868 - Lot 901 Plan RP903203

PS SV1 Lot 91 Smithfield Village Road TRINITY PARK 4879 - Lot 91 Plan SP279545

PS EH2 Lot 998 Bosun Close TRINITY PARK 4879 - Lot 998 Plan SP2824212

Part 13 – Regulated Waste Transport

The environmentally relevant activity for Regulated waste transport described above must be conducted in accordance with the following standard conditions of approval.

PART 13
With the exception of any variations, the conditions of approval for this environmental authority include standard conditions contained within the attached document(s) entitled: • "Code of environmental compliance for certain aspects of regulated waste transported (ERA 57) – Version 4"
Relevant activity: ERA 57 Regulated waste transport – transporting regulated waste, other than tyres
Activity locations
Mobile and temporary environmentally relevant activity throughout the State of Queensland

Definitions

Key terms and/or phrases used in this document are defined in this section and **bolded** throughout this document. Applicants should note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Administering authority means the Department of Environment and Science or its successor or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.

Background means noise, measured in the absence of the noise under investigation, as $L_{A90,T}$ being the A-weighted sound pressure level exceeded for 90 per cent of the time period of not less than 15 minutes, using Fast response.

Bypass means when the standard treatment processes of the plant do not occur as a result of wet weather and inflows that are in excess of the peak design capacity for inflow, resulting in the release of untreated or partially treated effluent from the sewage treatment plant to the environment.

BOD5 means the 5 day biochemical oxygen demand determined using standard tests (e.g. those used by **NATA** laboratories). This test is not inhibited for nitrification, otherwise would be referred to as “carbonaceous” BOD.

Boundary means within one metre of the cadastral boundary of the site.

COD means chemical oxygen demand determined using standard tests (e.g. those used by **NATA** laboratories).

Commercial place means a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

Day means any 24 hour period.

General waste means waste other than regulated waste.

Dry weather day means a day during which no rain falls within the catchment of the sewage treatment plant from the commencement of measurement for that day. The term also excludes days during which measurement is made which occur within three (3) days following cumulative rainfall of 100 mm over the three (3) preceding days

Environmental nuisance as defined under Chapter 1 of the *Environmental Protection Act 1994.*

Environmental value as defined under Chapter 1 of the *Environmental Protection Act 1994.*

Groundwater monitoring system means a system of groundwater monitoring devices, such as monitoring bores, used to provide data in respect to the level and quality of groundwater in the uppermost aquifer where the location of the groundwater monitoring devices is such that comparisons of groundwater

quality and groundwater level can be made between groundwater flowing from beneath the site (down-gradient flow) of the **activity** and groundwater flowing towards the site of the **activity** (up-gradient flow).

$L_{Aeq\ adj,T}$ means the adjusted A weighted equivalent continuous sound pressure level **measures** on fast response, adjusted for tonality and impulsiveness, during the time period T, where T is measured for a period no less than 15 minutes when the **activity** is causing a steady state noise, and no shorter than one hour when the approved **activity** is causing an intermittent noise.

Landfill unit means a discrete area of land or an excavation that receives solid waste.

Landfill facility means land and structures at the site approved used for the disposal of solid waste.

Leachate means a **liquid** that has passed through or emerged from, or is likely to have passed through or emerged from, a material stored, processed or disposed of at the site that contains soluble, suspended or miscible contaminants likely to have been derived from the said material.

Liquid means any substance that:

1. has an angle of repose of less than five degrees; or
2. becomes free flowing at or below 60 degrees Celsius or when it is transported; or
3. is not generally capable of being picked up by a spade or shovel.

Max$L_{pA,T}$ means the maximum A-weighted sound pressure level measured over a time period T of not less than 15 minutes, using Fast response.

Measures has the broadest interpretation and includes plant, equipment, physical objects, bunding, containment systems, monitoring, procedures, actions, directions and competency.

Median means the middle value, where half the data are smaller and half the data are larger. If the number of samples is even, the median is the arithmetic average of the two middle values.

Noxious means harmful or injurious to health or physical well-being.

Offensive means causing offence or displeasure; is unreasonably disagreeable to the sense; disgusting, nauseous or repulsive.

Release of a contaminant into the environment means to:

1. deposit, discharge, emit or disturb the contaminant; and
2. cause or allow the contaminant to be deposited, discharged, emitted or disturbed; and
3. fail to prevent the contaminant from being deposited, discharged emitted or disturbed; and
4. allow the contaminant to escape; and
5. fail to prevent the contaminant from escaping.

Secondary containment system means a system designed, installed and operated to prevent any release of contaminants from the system, or containers within the system, to land, groundwater, or surface waters

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or

5. a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004*or a World Heritage Area; or
6. a public thoroughfare, park or gardens; or
7. for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2019.

TCLP means a toxicity characteristic leaching procedure.

Total Nitrogen (TN) means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen, expressed as mg/L as Nitrogen. This includes both the inorganic and organic fraction of nitrogen.

Total Phosphorus (TP) means the sum of the reactive phosphorus, acid-hydrolysable phosphorus and organic phosphorus, as mg/L of Phosphorus. This includes both the inorganic and organic fraction of phosphorus**.**

Toxic material means:

1. cytotoxic wastes;
2. drugs and poisons as cited in the Standards for Uniform Scheduling of Drugs and Poisons (Schedules 8 and 9 drugs as per the *Poisons (Health and Drugs) Regulation 1996*); and
3. any other material that:
   a) has contaminant concentrations in the waste exceeding the allowable levels in Table 4; or
   b) has leaching contaminant levels in the waste when measured in accordance with toxicity characteristic leaching procedure (TCLP), exceeding the concentrations prescribed in Table 5.

Waste operations area means the following areas:

1. waste receiving
2. sorting
3. treating
4. recycling
5. disposal.

Waters includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water, natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

Wet Weather Day means a day which is not a dry weather day.

You means the holder of the environmental authority.

80th percentile (short term) means that not more than one (1) of the measured values of the quality characteristic are to exceed the stated release limit for any five (5) consecutive samples where:

1. the consecutive samples are taken over a five (5) week period if monitoring requirement is weekly OR over a ten (10) week period if monitoring requirement is fortnightly;
2. the consecutive samples are taken at approximately equal periods; and
3. the time interval between the taking of each consecutive sample is not less than six (6) days.

80th percentile (long term) is the value which is exceeded by twenty (20) percent of the values for the characteristic in question and should be calculated on the basis of a log - normal distribution using twelve (12) months consecutive results for the characteristic.

50th percentile means that the measured values of the quality characteristic must not be greater than the release limit for any more than three out of six consecutive samples where the time interval between the taking of each consecutive sample is not less than three (3) days.

50th percentile (long term) means that not more than 50% of the measured values of the quality characteristic are to exceed the stated release limit for any fifty-two (52) consecutive samples if monitoring frequency is weekly, OR any twenty-six (26) consecutive samples if monitoring requirement is fortnightly, where:

1. the consecutive samples are taken over a one (1) year period;
2. the consecutive samples are taken at approximately equal periods; and
3. If monitoring frequency is weekly, the time interval between the taking of each consecutive sample is seven (7) days, plus or minus four (4) days;
4. If monitoring frequency is fortnightly, the time interval between the taking of each consecutive sample is fourteen (14) days, plus or minus four (4) days.

END OF PERMIT

Attachments

“Code of environmental compliance for certain aspects of sewage treatment activities (ERA 63) – Version 1”

“Environmentally relevant activity standard - Regulated waste transport (ERA 57) – Version 2”